Seattle City Light

Stock Catalog

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August 2025

Seattle City Light

Stock Catalog

August 2025

Welcome to the August 2025 Edition of the Stock Catalog.

Seattle City Light's construction, design, and material standards, as well as our stock catalog, define the utility's best practices. Compliance with standards is mandatory for all City Light employees and contractors. Your cooperation in this compliance is essential to our shared success.

Bob Risch, Director, Engineering & Technology Operations

Seattle City Light
Stock Catalog, August 2025

Published by the Seattle City Light Standards Engineering Organization
Seattle, Washington

Prepared by Jay Ytell

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5700

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Wire

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6800

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6855.15 Fuse, Dual-Element, Time-Delay, Plug Type, 125 Volt, S- and T-Series
6855.25 Fuse, Time-Delay, 480 Volt
6855.35 Fuse, Time-Delay, 125 Volt
6855.40 Fuse, Fast-Acting, 125 Volt, With Pin Indication
6855.50 Fuse, Fast-Acting, Current-Limiting, 600 V, 40 A
6855.55 Fuse, Rejection-Type, Fast-Acting, Current-Limiting, 600 V
6855.65 Fuse, Electronic, Small Dimension, Glass
6857.05 Fuse Holders, In-Line, Water-Resistant, And Insulating Boots
6857.07 Fuse Holders, Rejection-Type, In-Line, Non-Breakaway, Waterproof, Crimp-Terminal
6857.10 Fuse Holders, Panel-Mount, 250 Volt
6857.15 Fuse Holders, Block Type, Non-Rejection, 600 Volt
6858.15 Fire Protection Control Cabinets
6858.18 Heat Sensors
6861.50 Brackets, Terminator and Arrester Mounting
6862.0 Bracket, Terminator
6862.01 Adapter Plate and Gasket for Single-Phase G&W 1/C, 27 kV Terminator Replacement
6862.10 Straight Apparatus Bushing with Boltable Adapter Plate For 13 kV Network Transformer
6862.3 Terminator Adapter Plate to Replace 3/C, 27-Kv Pothead G&W TRA 3855C
6862.35 Gaskets, Terminator Adapter Plate
6862.5 Weld-In Adapter Ring and Gasket for 13 kV PATR 1701 Terminator Replacement
6862.6 Bushing, Adapter Plate and Gasket for 26 kV Single-Phase G&W PATR 1802 Term. Replacement
6862.7 Gaskets, Silicone Sponge Rubber
6862.9 Adapter Plate for 90 Degree Apparatus Bushing On 26 kV Network Transformer
6863.10 Compression Connectors, All-Aluminum Type
6863.15 Separable Connector, Deadbreak, Dielectric Components, 125 kV BIL
6863.16 Separable Connector, Bolted Type, Deadbreak, Cable Joint Parts and Kits, 600 A, 125 kV BIL
6863.17 Accessories, Separable Connector, 600 A, 125 kV BIL, Deadbreak
6863.18 Housing Kits, Separable Connector, Deadbreak, Cold-Shrink, 600 A, 125 kV BIL
6863.19 Shield Adapter Kits for Flat Strap, Tape, or Drain Wire Shielded Cable

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Arresters, Cutouts, Fuses, Elbows, Splices
6800, *continued*

6863.20 Elbows, Deadbreak, Cold Shrink, 600 A, 125 kV BIL
6863.21 Springs, Constant Force
6863.25 Separable Connector, Deadbreak, Dielectric Components, 150 kV BIL
6863.27 Accessories, Separable Connector, 600 A, 150 kV BIL, Deadbreak
6863.30 Compression Connectors, All-Copper Type
6863.34 Separable Connector, Deadbreak, Cooper Power Systems T-OP II, KITS, 900 A, 125 KV BIL
6863.37 Accessories, Separable Connector, 900 A, 125 kV BIL, Deadbreak
6863.5 Apparatus Bushing, 90 Degree, 600 Ampere
6864.00 Compression Connectors, Bi-Metallic Type, for 200 A Elbows
6864.03 Cover, Loadbreak Elbow
6864.05 Separable Connector (Elbow), 200 A, Loadbreak
6864.07 Accessories, Separable Connector (Elbow), 200 A, 125 kV BIL, Loadbreak
6864.09 Cable Accessory Sealing Kit for Jacketed, Round Wire Concentric Neutral Cable
6864.15 Separable Connector (Elbow), 200 A, Deadbreak
6864.17 Accessories, Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak
6865.10 Terminators - High Voltage Cables
6867.50 Bracket, For Pole Riser Conduit
6867.9 Gasket, Transformer To Network Protector
6873.11 Heat Shrink Splices, Straight, 110 kV BIL, Tyco
6873.16 Splice Kits, Cable, Heat-Shrink, Straight, 150 kV BIL
6873.41 Splice Kits, Cable, Heat Shrink, 3- or 4-Way Wye, 110 kV BIL
6873.43 Shim Kits, Heat-Shrink Splice, 110 kV BIL
6873.49 PILC to TRXLPE Transition Splices, 110 kV BIL
6873.51 PILC to TRXLPE Transition Splices, 150 kV BIL - 6873.51
6873.57 Live End Seals, Heat Shrink, 110 kV BIL
6874.08 Molded Rubber Cable Repair Splicing Kits, 200 kV BIL
6874.19 Splice Kits, Cable, Cold-Shrink, Straight, 150 kV BIL
6880.00 Bracket Assembly, Vertical Cable Support

Insulators, Wildlife Protection, OH Clamps
6900

6900.10 Insulator, Medium-Voltage, Porcelain, Pin-Type
6900.50 Insulator, Guy Strain
6901.10 Insulator, Porcelain, Guy Strain
6901.31 Stud Bolts for Line Post Insulators
6901.35 Insulators, Line Post, Vise Top, Polymer, for Distribution Systems
6901.40 Insulator, Vertical Line Post, Porcelain, Clamp Top, for Distribution Systems
6901.45 Insulators, Vertical Line Post, Tie Top, Polymer
6901.55 Insulator, Horizontal Line Post, Polymer, for 115 kV Nominal Systems
6901.57 Insulator, Horizontal Line Post, Polymer, for 230 kV Nominal Systems
6901.60 Insulator, Horizontal Line Post, Porcelain, Clamp Top, for Distribution Systems
6901.80 Insulator, Station Post-Type, Porcelain

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Insulators, Wildlife Protection, OH Clamps
6900, *continued*

6901.95 Insulator, Station Post, Polymer for 115 kV Nominal Systems
6901.97 Insulator, Station Post, Polymer, for 230 kV Nominal Systems
6902.30 Insulator, Suspension, Polymer, for 26.4 kV Systems
6902.35 Insulator, Suspension, Polymer for 115 kV Nominal Systems
6902.37 Insulator, Suspension, Polymer for 230 kV Nominal Systems
6902.5 Insulators, Suspension Porcelain Ball and Socket Type
6904.15 Insulator, Polymer Spool and Steel Clevis and Angle Bracket
6904.23 Reinforced Porcelain Wireholders
6904.25 Service Brackets
6908.0 Insulator, Phenolic Spool, Neutral Bus Support
6908.1 Insulator Bus Bar Support Underground Vault
6908.2 Base, Neutral Bus Support
6910.10 Avian Protection Products, Assorted
6910.30 Insulating Hose, Split, Silicone Rubber, and Installation Tools
6910.40 Self-Amalgamating, Silicone Rubber, Insulating Tape
6912.07 Plastic Bird Spikes
6916.07 Aerial Warning Spheres
6916.15 Obstruction Beacons, LED
6938.31 Clamps, Ductile Iron, Deadend, Quadrant Strain
6938.71 Clamps, Aluminum Deadend, Quadrant Strain
6939.10 Clamps, Ductile Iron, Deadend Strain, Straight Line
6939.15 Clamps, Ductile Iron, Deadend Strain, Straight-Line, Side-Opening
6939.22 Clamps, Aluminum Deadend Strain, Straight-Line, Side-Opening
6940.10 Clamps, Ductile Iron, Angle
6940.20 Clamps, Ductile Iron, Suspension
6940.30 Clamps, Aluminum, Suspension
6941.15 Clamps, Trunnion, Line Post Insulator
6945.02 Chain Links
6945.05 Fittings, Forged Steel Ball-Style Insulator
6945.10 Fittings, Clevis Style, Strain Insulator
6945.15 Fittings, Socket Eye, Strain Insulator
6945.20 Clevis Pins
6951.65 Adapter, Vertical Clamp, for Station Post Insulators
6962.32 Accessories, High-Temperature, Low-Sag Conductor, 3M
6966.15 Anchor Shackles, Round Pin
6966.17 Anchor Shackles, Screw Pin
6968.1 Supports, Secondary Bus Insulator
6970.15 Yoke Plate Assembly, Deadend Strain
6970.25 Yoke Plate Assemblies, Double String, Suspension

Conduit and Fittings

7000

7005.05 Tape, Detectable, Underground, Marking
7015.05 Schedule 40 PVC Conduit and Fittings
7015.24 Schedule 40 PVC Conduit Repair Systems
7015.80 Conduit Spacers for PVC and FG Conduit
7017.07 Directional Drilling Conduit Coupler, HDPE
7020.05 Schedule 80 PVC Conduit and Fittings
7024.05 Fiberglass Fittings, Heavy-Wall, Four-Inch IPS
7025.05 Fiberglass Conduit and Fittings, Standard-Wall, Five-Inch IPS
7030.05 Steel Electrical Metallic Tubing (EMT)
7030.09 Fittings, Electrical Metallic Tubing (EMT)
7040.05 Conduit, Rigid Aluminum
7050.05 Zinc-Coated Steel Conduit and Fittings
7050.09 Conduit Fitting, Cable Protector
7050.11 Couplings, Set Screw, Rigid Metallic Conduit (RMC) and Intermediate Metallic Conduit (IMC)
7050.13 Couplings, Split-Type, Rigid Metallic Conduit (RMC) and Intermediate Metallic Conduit (IMC)
7050.15 Conduit Bodies, Nonmetallic
7050.17 Conduit Body Assemblies, Metallic
7050.33 Bushings, Insulated, Plastic
7050.35 Bushings, Insulated-Throat, Grounding and Non-Grounding, Metal
7050.37 Bushings, Insulating, Plastic, Snap-Type
7050.41 Locknuts, Standard and Bonding
7055.09 DB120, PVC Conduit Fittings
7060.05 Conduit, Flexible Metal, Steel (FMC)
7060.09 Fittings, Flexible Metal Conduit (FMC)
7070.05 Liquidtight Flexible Metal Conduit (LFMC)
7080.05 Liquidtight Flexible Nonmetallic Conduit (LFNC)
7080.09 Fittings, Liquidtight, Metallic

Pipe Fittings, Fiber Optic, FTB

7100

7100.0 Pipe Fittings, PVC Plastic DWV and Schedule 40
7134.20 Pipe, Galvanized Steel
7134.25 Pipe Fittings, Malleable Iron, Threaded
7134.35 Ball Valves, Bronze, 1-Inch
7134.5 Strap One-Hole - Malleable
7134.55 Straps, Stamped Steel, One-Hole
7134.6 Spacer, Pipe-Strap, One-Hole, Malleable Iron
7134.7 Straps, Pipe, Two-Hole
7136.15 Outlet and Switch Boxes, Metallic
7136.19 Outlet and Switch Boxes, Nonmetallic
7136.25 Fittings, Knockout Seals and Reducing Washers

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Pipe Fittings, Fiber Optic, FTB
7100, *continued*

7137.15 Outlet and Switch Box Covers, Metallic
7137.19 Outlet and Switch Box Covers, Nonmetallic
7140.25 Aerial Self-Support Duct with 1/4-in Support Strand
7141.25 Aerial Self-Support Duct Hardware
7150.00 Fluidized Thermal Backfill
7150.30 Controlled Density Fill

Vaults, Handholes, Strut, Plywood, Rope, Chain
7200

7201.65 Inflatable Duct Sealing Systems
7201.69 Fire Barrier Plugs
7203.04 3030 Handhole, Precast, Secondary
7203.08 231 and 233 Handholes, Precast, Secondary and Streetlight, Detailed
7203.10 Type 1 and Type 2 Open Bottom Handhole, Precast, Secondary and Streetlight
7203.12 Handhole, Secondary, Composite Fiberglass, Polymer Concrete
7203.20 Polymer Concrete Handhole, Secondary and Streetlight
7203.26 444 Enclosures, Precast
7203.31 504 Electric Vault, Primary Service
7203.36 507 Electric Vault, Primary Service
7203.38 575 Electric Vault, Primary Service
7203.41 577 Electric Vault, Primary Service
7203.46 712 Electric Vault, Primary Service
7203.51 814 Electric Vault, Primary Service
7203.61 644 Electric Vault, Primary Service
7203.66 687 Electric Vault, Primary Service
7203.71 5106 Electric Vault, Primary Service
7203.76 Precast Reinforced Concrete Transformer Pads
7203.78 Precast Reinforced Concrete Switchgear Pads
7203.81 Precast Reinforced Concrete Panel Vaults
7203.89 Pulling Irons and Accessories
7204.11 Covers, Tamper-Proof, for Type 2 Handholes
7204.15 Covers and Risers for Electric Vaults
7204.3 Hatch Assembly, Sidewalk Type
7204.70 Frames and Covers, 42-Inch Round, Iron
7204.79 Sump Pump Grates
7206.06 Cable Cleat and Liner
7206.07 Cable Support Assemblies with a Thermoplastic Insulator
7206.09 Adapter Bracket, Four-Inch
7206.11 Support Bracket 600 Amp Splice and Tap
7206.14 Brackets, Cable Support
7206.23 Arms, Cable Rack, Steel, Hot-Dipped Galvanized
7206.25 Arms, Cable Rack, Steel, Epoxy Finish

Continued on the next page

Vaults, Handholes, Strut, Plywood, Rope, Chain
7200, *continued*

7206.35 Grips, Cable Support, Double-Eye, Split-Mesh, Rod-Closing
7206.37 Grips, Cable Support, Universal-Eye, Split-Mesh, Rod-Closing
7206.45 Clamps, Strut, Pipe/Conduit, Light-Duty
7206.47 Clamps, Strut, Pipe/Conduit, Heavy-Duty
7206.5 Bracket, Cable Support
7216.7 Racks, Underground Cable
7216.75 Strut Framing Systems
7217.5 Porcelain Enamel Nameplates
7217.80 Survey Stakes
7226.55 Hooks, Coat and Hat
7226.65 Hasps
7240.80 Survey and Construction Marking Spray Paint
7240.82 Marking Spray Paint with Reusable Spraying Device
7240.85 Marking Flags
7243.55 Spray Paint, Gloss
7250.25 Plywood and Dimensional Lumber
7251.15 Mortar and Concrete Repair Products
7251.35 Twine and Cord
7251.45 Kraft Paper
7251.51 Tarps
7251.55 Polyethylene Sheeting, Clear
7268.14 Bags, Paper, Heavy Duty
7272.16 Swivel Hook Assemblies, 1.63 Metric Ton (WLL)
7272.19 Rope, Three-Strand, Polypropylene, Yellow-Black
7272.23 Rope, Three-Strand, Poly Dacron, White with Tracers
7272.27 Rope, 12-Strand, Class 1, Green
7272.31 Rope, 12-Strand, Class 1, Red/Black
7272.35 Rope, 12-Strand, Class 1, Clear Coated (White)/Black
7272.39 Rope, 12-Strand, Class 1, Orange
7273.10 Steel Alloy Chain, Grade 100
7273.20 Chain, Weldless Sash
7273.25 Chain, Passing Link
7276.85 Vibration Damper Pads
7276.9 Gasket Material, Cork and Synthetic (Buna N) Rubber Composition

LV Boxes, Receptacles, Plugs, Tape

7300

7303.01 Fluorescent Lamps
7314.15 Service Entrance Caps, PVC
7314.25 Service Entrance Caps, Aluminum
7326.15 Enclosures, Screw and Hinged Cover, Metallic
7330.55 Receptacles (Outlets)
7331.50 Fittings, Flexible Cord and Cable, Liquidtight
7331.59 Plugs, Lamp Holders, and Extension Cords
7331.60 Connectors, Two-Screw, Zinc, Die Cast
7333.0 Switches, Toggle-Flush
7333.25 Lampholders, Assorted
7334.13 Buzzers
7334.15 Transformers, Low Voltage, Class 2
7334.17 Test Clips and Test Clip Boots
7353.6 Cable Wrap Polytetrafluorethylene
7358.1 Straps, Adjustable Plastic Tie
7358.18 Mounting Bases, Cable Tie
7358.27 Tags, Cable Identification, PVC, Blank
7364.70 Tape, Sealing and Insulating Mastic
7364.80 Putty, Electrical Insulation
7364.95 Tape, Varnished Polyester Glass, Fabric
7365.08 Duct Tape, Cloth, Waterproof
7365.20 Tape, Fire-Retardant, Electric Arc Proofing
7365.22 Tape, Electrical Shielding
7365.24 Tape, Silicone Rubber, Electrical
7365.31 Tape, Insulating, Electrical
7365.54 Tape, Semiconducting, Electrical
7365.56 Tape, Adhesive-Backed, Copper Foil
7365.58 Tape, Glass, Cloth, Electrical
7365.81 Tape, Acrylic Foam, Double-Sided, High-Bond
7366.35 Tape, Corrosion Protection
7366.41 Tape, Cotton Fabric, Friction
7366.55 Tape, Vinyl, Electrical
7366.71 Tape, Vinyl, Color Coding
7367.12 Tape, Masking Pressure Sensitive
7367.35 Tape, Slip-Resistant
7374.65 Tubing, Heat Shrink Type, Thin Wall
7374.70 Tubing, Heat Shrink Type, Medium Wall
7374.75 Splice Covers, Heat Shrink Type, Heavy Wall
7374.80 Cable Breakout Boots, Heat Shrink Type
7374.85 Sealing Caps, Heat Shrink Type

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LV Boxes, Receptacles, Plugs, Tape

7300, *continued*

7374.89 Sealant Strips, Heat-Shrink, Mastic
7374.90 Wraparound Jacket Repair Sleeve Kits, Heat Shrink
7375.75 Insulating Sleeves, Cold Shrink, Secondary Connector
7375.85 Sealing Caps, Cold Shrink Type
7392.8 Cast Iron Pump
7392.82 Submersible Pump Accessories
7392.84 Concrete Building Bricks
7395.17 Cleaning Supplies
7395.23 Cleaning Chemicals and Soaps
7395.26 Cloth and Paper Products, Consumable
7395.31 Paper Cup Dispensers
7395.33 Paper Towel Dispensers
7395.35 Waste and Recycle Can Liners and Bags
7395.37 Galvanized Steel Garbage Cans

Chemicals

7500

7515.10 Lubricants, Switch Contact
7515.25 Grease, Silicone
7515.35 Lubricants, Grease, Non-Soap
7515.45 Cable-Pulling Lubricants
7515.55 Cutting Fluid
7520.25 Lubricants, Penetrating
7525.15 Transformer Insulating Mineral Oil
7525.35 Varnishes and Sealers, Electrical
7525.45 Filler Compound, Compression Fitting
7530.35 Joint Compounds, Oxide-Inhibiting
7535.25 Sealing Compound
7535.35 Fire Barrier Sealant
7535.45 Transformer Leak Repair Kits
7540.25 Adhesives, Glues, Cements, and PVC Primers
7545.05 Putty Repair Stick, Epoxy, Steel-Reinforced
7545.25 Sealants, Silicone Rubber
7545.55 Oakum
7550.09 Multi-Purpose Hand Towels, Premoistened, Industrial Degreaser
7550.25 Cleaners and Degreasers, Electrical
7550.27 Cleaners, Brake Parts
7550.29 Cleaner/Degreasers, General Purpose
7555.25 Wood Pole Preservative Rod Kits
7560.45 Metal Protectants
7560.55 Acetone

Continued on the next page

Chemicals

7500, *continued*

7570.25 Soldering Flux and Paste
7575.25 Sulfur Hexafluoride (SF6) Gas, Technical Grade
7585.25 Thread Seal Tape
7585.35 Leather Conditioning Oil, Neatsfoot
7585.40 Ice Melt Compound
7585.45 Water, Distilled
7585.50 Baking Soda
7585.55 Windshield De-Icer
7585.65 Odor Eliminator, Liquid, in Spray Applicator

Tools, Traffic Control, Signs, Spill

7600

7601.1 Bag, Canvas, Line Hose
7604.45 Tools, Metalworking
7604.6 Hacksaw Blades, Hand
7604.65 Hacksaws, High-Tension, 12-Inch
7607.10 Bags, Tool, Canvas
7607.13 Hooks, Tool Bag
7609.30 Wheel Chocks, Aluminum
7610.12 Spill Supplies, Absorbent Pads
7610.15 Spill Kits, Vehicle
7610.19 Spill Kits, Oil-Only
7610.21 Spill Supplies, Absorbent Socks
7610.26 Spill Supplies, Neutralizing Sorbent, Acid/Base, Granular
7610.29 Spill Supplies, Bags, Disposal, Polyethylene, Sealable
7610.55 Loose Absorbent Material
7611.10 Traffic Safety Cones, Standard Profile
7611.15 Cone-Mounted Signs, Traffic Control
7611.21 Reflective Triangle Kit and Flares
7612.09 Biohazard Tongs
7612.15 Sandpaper
7612.35 Steel Wool
7612.45 Sharpening Tools
7614.15 Tools, Measurement and Marking
7614.22 Tools, Carpentry
7614.35 Paint Brushes
7614.45 Wire Brushes
7615.1 Twist Drills, High-Speed Steel Straight Shank, Jobbers Length
7615.25 Drill Bits, Fractional Sizes
7615.31 Bits, Hollow
7616.1 Twist Drills, High-Speed Steel, Straight Shank, Jobbers Length
7617.25 Drills, Portable Electric, 3/8-Inch

Continued on the next page

Tools, Traffic Control, Signs, Spill
7600, *continued*

7617.32 Vacuum Bags and Filters for Hilti VC 75-1-A22 Portable Vacuum Cleaners
7617.35 Auger Bits, Hollow, Wood Pole, 18 Inch
7617.37 Auger Bits, Solid Center, Wood Pole, 7-1/2 Inch
7624.10 Flag, Warning
7624.11 Staff, Warning Flag
7624.19 Signs and Stand, Traffic Control, Collapsible, Diamond Shaped, 48-Inch
7624.23 Traffic Control Paddle Kits, Roll-Up
7624.27 Tapes, Barricade
7624.31 Flags, Fluorescent Red, With Staff and Mounting Clamp
7624.33 Ice Scraper, Window, Automotive
7632.30 Grounding Connectors, Clamp and Ball Ground
7633.20 Cover-Up Systems, Blankets and Accessories
7633.3 Blankets Rubber Insulating
7634.17 Gloves, General Purpose, Leather
7634.20 Protectors, Leather, for Class 0 Rubber Insulating Gloves
7634.21 Protectors, Leather, for Class 2 Rubber Insulating Gloves
7634.3 Liners, Cotton, Knit for Rubber or Leather Gloves
7634.60 Gloves, Insulating, Rubber, Class 0
7634.62 Gloves, Insulating, Rubber, Class 2
7637.09 Pliers, Flush-Cut
7637.12 Pliers, Slip-Joint and Lineman's
7637.15 Hand-Crimping Tools, PIDG Terminals and Splices
7637.17 Screwdrivers, Slotted Head and Phillips
7637.22 Wrenches, Adjustable, Heavy-Duty
7637.27 Sockets, 1/2-Inch Square Drive
7637.32 Hex Keys, Short Arm, SAE
7637.41 File Handles and File Card with Brush
7637.46 Files, Round, Double Cut, Regular and Chain Saw
7637.51 Files, Half-Round, Double Cut
7637.56 Files, Taper, Single Cut
7637.61 Files, Flat, Double Cut
7637.66 Files, Mill, Single Cut
7637.71 Files, Assorted
7637.80 Taps, High-Speed Steel
7637.85 Cutters and Replacement Cutterheads
7637.90 Knives, Hawkbill, Folding
7637.91 Skinning Knives
7637.93 Swivel Eye Snaps and Hand Line Hooks
7637.95 Swivels, Forged
7638.1 Hammers, Hand, Fiberglass Handle
7638.2 Handle, Hickory, Striking Tool
7638.30 Tools, Vegetation Management

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Tools, Traffic Control, Signs, Spill
7600, *continued*

7638.37 Shovels, Snow, Pusher-Type
7638.45 De-Icer Spreader, Handheld
7638.75 Garden Hoses and Accessories
7638.80 Water Coolers
7639.45 Propane Torches and Accessories
7639.65 Solder and Soldering Accessories
7639.75 Welding Accessories
7644.22 Ladders, Telescoping
7644.24 Fiberglass Ladders, Single
7645.20 Duct Plugs, Blank
7645.30 Pull Tape, Polyester
7645.40 Mandrels, Proofing
7646.05 Personal Lavatory Systems
7650.07 Reflective Letters and Numbers, Pressure-Sensitive, 2-7/8 in x 1-3/4 in, and Panel
7650.13 Number Tags, Aluminum, Embossed, 7/8 in by 1-5/8 in Bar Code, and Holder
7650.15 Number and Letter Tags, Polyethylene, 7/8" by 1-9/16" and Holder
7650.50 Signs, Notice, Landscaping Clearance Requirements, 5 in x 7 in, Adhesive
7650.54 Signs, Notice, Do Not Block Door, 10 in x 14 in, Adhesive
7651.05 Signs, Danger, ACCR Conductor, 14 in x 20 in, Rigid
7651.19 Signs, Danger Hazardous Voltage, 10 in x 14 in, Rigid
7651.21 Signs, Danger Hazardous Voltage, 14 in x 20 in, Rigid
7651.23 Signs, Danger Hazardous Voltage, 7 in x 10 in, Rigid
7651.27 Signs, Danger Hazardous Voltage, 7 in x 10 in, Adhesive
7651.29 Signs, Danger Keep Out, 10 in x 14 in, Adhesive
7651.31 Signs, Warning Hazardous Voltage, 10 in x 14 in, Rigid
7651.33 Sign, Warning Hazardous Voltage, Rigid, 7 in x 10 in
7651.35 Signs, Warning Hazardous Voltage, 7 in x 10 in, Adhesive
7651.37 Signs, Notice No Trespassing, 10 in x 14 in, Rigid
7651.39 Signs, Notice No Trespassing, 8 in x 10 in, Adhesive
7651.53 Signs, Call 811 Before You Dig, Adhesive
7651.61 Signs, FR3 Fluid, Adhesive
7651.63 Signs, Network Electrical Vault, 10 in x 14 in, Adhesive
7651.66 Labels, PCB, 6 in x 6 in, Adhesive
7651.75 Labels, Cable Markers, Wraparound
7651.91 Secondary Container (Workplace) Labels and Tags
7652.4 Sign, Tower/Circuit Identification
7653.16 Recording Card
7653.22 Operations Tags
7654.5 Slings, Wire Rope
7654.80 Slings, Synthetic Webbing, Nylon
7654.85 Hooks, Alloy Steel
7654.89 Swivel Hoist Rings

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Tools, Traffic Control, Signs, Spill
7600, *continued*

7654.90 Slings, Synthetic Webbing, Bridle
7658.30 Labeling Tape, Reflective, Brady Labelizer System
7658.40 Labeling Tape and Ribbon, Brady Globalmark System
7658.51 Label Makers, Handheld, and Tape
7658.60 PCB Testing Materials
7658.67 Biohazard Disposal Containers, Labels, and Envelopes
7658.71 Swabs, Lead Testing
7658.77 Bags, Asbestos Disposal
7658.80 Bags, Transformer
7659.03 Funnels, Polyethylene, General Purpose
7659.07 Oilers, Hand, Pump
7659.09 DOT Type-II Safety Cans
7659.12 Drums, Polyethylene and Steel
7659.15 Cans, Metal, Round and Rectangular
7659.17 Containers and Lids, Plastic
7659.21 Flashlights, LED Type and Accessories
7659.24 Headlamps, LED Type
7659.33 Voltage Tester, 120 to 600 V, "Wiggy"
7659.35 Continuity and Voltage Testers
7659.39 Electrician's True-RMS Multimeters
7659.40 Fuse Pullers, 7-1/2 in, Pocket Size
7659.42 Personal RF Exposure Monitors and Accessories
7659.45 Fire Extinguishers and Mounting Brackets
7660.24 Alkaline Batteries
7660.31 Batteries, 6V, Lantern with Screw Terminals

Nails, Screws, Nuts, Bolts, Washers
7800

7800.15 Nails, Brads, and Spikes
7800.7 Anchors, Light-Duty Screw
7800.72 Anchors, Nail Drive
7800.81 Toggle Bolts, Heavy-Duty, Stainless Steel
7800.95 Bolts, Expansion Anchor, Stainless Steel
7800.96 Bolts, Expansion Anchor, Carbon Steel, Standard Duty
7801.10 Anchor, Flush-Mount, Internal-Threaded
7801.4 Anchors, Spring Toggle Bolt
7801.40 Anchors, Toggle Bolt, Spring
7801.42 Hardware, Miscellaneous
7801.45 Screws, Machine, Assorted
7801.50 Screws, Self-Tapping and Self-Drilling
7801.52 Swivel Hangers
7804.1 Carriage Bolt with Nut

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Nails, Screws, Nuts, Bolts, Washers
7800, *continued*

7804.12 Carriage Bolts, High Strength
7804.60 Carriage Bolt Assembly
7807.15 Bolts, Machine, Square Head, with Square Nut
7807.32 Bolts, Galvanized, Double-Arming
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7880.36 Washers, Zinc-Plated Steel, Lock, External-Tooth, Large-Diameter, 1/2-Inch
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Contact Us

Division

Engineering & Technology Operations

Standards Engineering Staff

Supervisor:	Brett Hanson	brett.hanson@seattle.gov
Engineers:	Curtis Lu	curtis.lu@seattle.gov
	Ponet Neuansourinh	ponet.neuansourinh@seattle.gov
	Muneer Shetab	muneer.shetab@seattle.gov
	Sunny Kim	sunny.kim@seattle.gov
	Chad Rehahn	chad.rehahn@seattle.gov
Editorial and Publishing:	Laura Vanderpool	laura.vanderpool@seattle.gov
	Jay Ytell	jay.ytell@seattle.gov
Quality Assurance:	Todd Oki	todd.oki@seattle.gov

Other Contact Information

Quality Assurance Laboratory:

Attention: Todd Oki
Seattle City Light South Service Center
3613 4th Avenue South
Bldg. B, Room 130
Seattle, WA 98134

North Service Center Warehouse, N-1, 161

Seattle City Light
1300 N 97th St, Warehouse
Seattle, WA 98103-3320

General Section Counter
(206) 684) 4248

Wire Room
(206) 233-3720

South Service Center Warehouse, S-17, B1110

Seattle City Light
3613 4th Ave S
Seattle, WA 98134-2207

General Section Counter
(206) 386-1625

Wire Room
(206) 386-1702

Boundary Warehouse

Seattle City Light/Boundary Dam
P.O. Box 219
Metaline Falls, WA 99153

or

1198 Boundary Access Rd
Metaline, WA 99152

Skagit Warehouse

Seattle City Light
500 Newhalem St
Rockport, WA 98283

Standards Committees

The Standards Engineering organization runs two committees: Looped Radial and Network. If you have a standards-related question or issue, please bring it to the attention of the Chair or Clerk.

Looped Radial

The Looped Radial Standards Committee discusses and solves problems related to design, construction methods, safety, and material used to construct and maintain our overhead and underground distribution systems.

Chair: Curtis Lu
Contact: curtis.lu@seattle.gov

Clerk: Ponet Neuansourinh
Contact: ponet.neuansourinh@seattle.gov

Network

The Network Standards Committee discusses and solves problems related to design, construction methods, safety, and material used to construct and maintain our network distribution systems.

Chair: Brett Hanson
Contact: brett.hanson@seattle.gov

Online Access

Internal
Employees can access the Engineering Standards Library online at:

https://inweb8.seattle.gov/city-light-engineering-standards

External
The public can access the Engineering Standards Library online at:

https://web8.seattle.gov/city-light-engineering-standards

Recent Revisions

New standards and revisions are published regularly. Be sure to check the Engineering Standards Library online for the most recent version of any standard.

A chronological list of recent revisions can be found by selecting "Browse All Standards" from the Standards and Work Practices menu on the Engineering Standards Library website.

Corrections and Additions

To submit corrections or additions to City Light stock catalog entries, please see:

- SCL 0010.07, "How to Mark Up and Submit a Standard for Revision"
- SCL 0015.14, "Matters to Consider Before Making Material Recommendations"

Bad Order Material

Bad order (BO) material is distribution and transmission material that fails prematurely, operates defectively, or is damaged.

SCL Work Practice 0015.40, "Treatment of Failed Material," identifies the types of failed-in-service material that are to be retained for forensic analysis. Procedures for the handling of failed material are also included.

Seattle City Light
WORK PRACTICE

Standard Number: **0015.40**
Superseding: June 23, 2021
Effective Date: July 17, 2023
Page: 1 of 5

Treatment of Failed Material

1. Scope

This work practice identifies the types of failed-in-service material that shall be retained for forensic analysis. Procedures for the handling of failed[a] material are also included.

The following items are outside the scope of this practice:

- Most tools
- Transmission cable and accessories
- Major equipment (transformers, breakers, switches)

[a] Until a failure analysis report presents a final determination, a problematic material item should only be considered suspect; however, for practical reasons, it is common and acceptable for field personnel and engineers to use the terms **failed** and **suspect** interchangeably.

2. Application

This work practice is directed at field personnel who are first on the scene of an outage incident to repair damaged infrastructure and restore service.

Standard Coordinator	Standards Engineering Supervisor	Division Director
Muneer Shetab	Brett Hanson	Bob Risch

Head Protection Systems, MSA 4006.23

System consists of a hard hat shell (helmet) and an internal suspension. Half-face spectacles are available as an option.

A head protection system:

- Reduces the force of an impact.
- Guards against penetration.
- May provide protection from electric shock.

The safety helmet with half-face spectacles are intended to provide protection from forward facing or overhead projectile hazards.

With the spectacles in the working position, safety glasses must be worn under the spectacles if there are gaps between the user's face and the spectacles that could let external agents intrude and cause damage to the eyes.

Stock Unit: EA

Stock No.	Description
014697	Safety helmet, non-vented, yellow
014698	Half-face spectacle, clear

Head Protection Systems 4006.30

Hard hats and hard hat accessories

Stock Unit: EA

Stock No.	Description	
110022	Hard hat, full brim, yellow, Type 1, Class E	
110112	Hard hat, full brim, white, Type 1, Class E	
110020	Hard hat, partial brim cap style, yellow, Type 1, Class E	
110021	Hard hat, partial brim cap style, white, Type 1, Class E	
110182	Suspension, pinlock, 6-point dihedral adjustment. For use with Stock Nos. 110020, 110021, 110022, and 110112	
110183	Suspension, 6-point ratcheting adjustment. For use with Stock Nos 110020, 110021, 110022, and 110112	
110180	Chin strap, elastic, with plastic hooks and buckle. For use with Stock Nos 110020, 110021, 110022, and 110112	
110190	Brow pad, Polartec, snap-on. For use with Stock Nos 110020, 110021, 110022, and 110112	
110136	Winter liner, dielectric.	
110137	Winter liner, dielectric neck and face shield	
012590	Reflective vinyl hard hat adhesive strips, white 1 in x 4 in For use with Stock Nos. 110020, 110021, 110022, and 110112	

Hearing Protection, Earplugs 4007.10

Earplugs are used to reduce noise and conserve hearing.

Earplugs are small inserts that fit into the outer ear canal. To be effective, they must totally block the ear canal with a tight seal.

Some foam earplugs may need to be rolled before inserting them into the ear.

Push-to-fit earplugs have a flexible stem that eliminates the need to roll the earplugs before inserting them. Please see a Safety and Health Specialist for assistance.

Push-to-fit earplugs are designed to fit most ears; however, other styles are available that may provide a better fit. Please see a Safety and Health Specialist for assistance.

Simultaneous use of properly fitted earplugs and earmuffs may add 5 dB more protection than using either the earplug or the earmuff alone. Double hearing protection (earplugs and earmuffs) should be used when the noise level exceeds 105 dB.

Stock Unit: PR except 013941 (EA) and 013430 (EA)

Stock No.	Description	Noise Reduction Rating (dB)	
110155	Earplugs, roll-down, PVC foam, yellow	29	
110156	Earplugs, roll-down, polyurethane foam, yellow, with blue vinyl cord	28	
110157	Earplugs, polyurethane foam, green	30	
110159	Earplugs, push-to-fit pod, polyurethane foam, yellow	25	
013389	Earplugs, band, foam, green; neck cord has a blue, low-pressure band with optional breakaway cord	25	
013941	Earplugs, push-to-fit, polyurethane foam, purple, with yellow vinyl neck cord	29	

Hearing Protection, Earmuffs 4007.10

Earmuffs are used to reduce noise and conserve hearing.

Earmuffs fit over the entire ear to form an air seal, so the entire circumference of the ear canal is blocked. They are typically held in place by an adjustable band. The adjustable headband tension must be sufficient to hold earmuffs firmly around the ear for proper fit.

Earmuffs will not seal around eyeglasses, safety glasses, or long hair.

Simultaneous use of properly fitted earplugs and earmuffs may add 5 dB more protection than using either the earplug or the earmuff alone. Double hearing protection (earplugs and earmuffs) should be used when the noise level exceeds 105 dB.

Stock Unit: EA

Stock No.	Description	Noise Reduction Rating (dB)
110076	Earmuffs, helmet, dielectric foam cushion, attachable to safety cap (Stock Nos. 110020 or 110021)	23
013430	Earmuffs, behind the head, ABS, foam cushion	29

Safety Glasses 4008.10

Polycarbonate safety spectacles, more commonly known as safety glasses.

To minimize or prevent eye injuries from impact and/or solar glare. Some models are provided with reader prescriptions. Safety glasses are not intended to provide protection from welding radiation, blood-borne pathogens, chemical vapors, X-rays, microwaves, or lasers. Other limitations may also apply. Hinge to hinge width values are comparative estimates to aid individual selection and fitting.

CAUTION: Foam-lined safety glasses are not intended for use when the potential for arc flash is present.

Stock Unit: EA

Stock No.	Lens Color	Relaxed Hinge to Hinge Width (mm)	Prescription	Adjustable Length Spatula	Apply Over Glasses	Foam Lined
012265	Clear	140	+1.5	No	No	No
012266	Clear	140	+2.0	No	No	No
012493	Smoke	140	+1.5	Yes	No	No
012494	Smoke	140	+2.0	Yes	No	No
012952	Clear	126	None	Yes	No	No
012953	Smoke	126	None	Yes	No	No
014428	Clear, anti-fog	135	None	Yes	No	No
014429	Smoke, anti-fog	135	None	Yes	No	No
012954	Clear, anti-fog	144	None	No	No	No
012955	Clear	140	None	No	No	No
013641	Polarized, BL/GR	129	None	No	No	No
013642	Clear, anti-fog	129	None	No	No	Yes
013644	Smoke, anti-fog	129	None	No	No	Yes
013645	Clear, anti-fog	147	None	No	No	Yes
013646	Dark smoke, anti-fog	147	None	No	No	Yes
014640	Smoke, anti-fog	N/A	None	No	No	No
014641	Clear, anti-fog	N/A	None	No	No	No
014642	Clear, anti-fog	N/A	None	No	No	No
014475	Clear, anti-fog	130	None	No	No	No
014476	Gray, anti-fog	130	None	No	No	No
014477	Clear, anti-fog	158	None	Yes	Yes	No
014478	Clear, anti-fog	158	None	Yes	Yes	No
110072	Clear	145	None	No	Yes	No
110230	Blue, mirror	136	None	No	No	No
110283	Clear	140	None	Yes	No	No
110284	Gray	140	None	Yes	No	No
110285	Amber	140	None	Yes	No	No
110287	Smoke, mirror	140	None	Yes	No	No
110301	Smoke	141	None	No	Yes	No

Eyeglasses Protection and Cleaning Accessories 4008.15

Eyeglass cleaners are used for general lens cleaning.

Clip-on lenses are clipped onto existing eyeglasses to reduce sun glare.

Glasses cases provide protection for eyeglasses.

Nylon retainer cords are attached to glasses to keep them from falling off in case of incidental bumps.

Stock Unit: EA

Stock No.	Description
110001	Anti-fog, anti-stat lens cleaning solution, 2-oz bottle with spray pump

110003	Lens cleaner towelette, anti-fog, silicone-free, individually packaged, 100 per box

110239	Clip-on polarized lenses, flip-up, dark gray plastic, size large

110031	Glasses, carrying pouch with Velcro or drawstring

110093	Glasses retainer cord, black cotton, with adjustable earpiece attached

Safety Goggles, Face Shields and Accessories 4008.19

Safety goggles are intended to protect the eyes, eye sockets, and the facial area immediately surrounding the eyes from liquid or chemical splashes.

Face shields are intended to protect the wearer's partial or entire face and eyes from projectiles and chemical splashes. Face shields should be used with in conjunction with safety glasses and/or goggles.

Face shield frames (Stock No. 110083) are compatible with cap style hard hats, stock numbers 110020 and 110021.

Face shields, stock nos. 110084 and 110089, are compatible with face shield frames (Stock No. 110083) and face shield headgear (Stock No. 110087).

Face shield headgear (Stock No. 110087) is not compatible with hard hats.

Face shield headgear may be worn where a hard hat is not required, but eye and face protection from chemical splash or projectiles is desired.

Stock Unit: EA

Stock No.	Description	
110084	8" x 15.5" x 0.040" clear, face shield window	
110089	8" x 15.5" x 0.060" clear, face shield window	
110083	Face shield frame for hard hat (Compatible with Stock Nos. 110020 and 110021)	
110087	Face shield headgear	
110111	Anti-fog, clear safety goggles	

Wetting Agent — 4009.05

Used to wet, penetrate, and bind asbestos-containing material to permit handling and removal of these materials under damp, dust-free conditions. Applied prior to removal of asbestos material.

Stock Unit: EA

Stock No.: 110323

Surface Sealant — 4009.05

Ready-to-use, Class A fire-rated coating that provides a flexible barrier over the microscopic residual fibers that are present after the removal of asbestos-containing material. Applied after removal of asbestos material.

Stock Unit: EA

Stock No.: 013050

Respiratory Protection System, 3M 4009.15

Respirators are designed to protect the wearer from inhaling particulate matter, including airborne microorganisms, fumes, vapors and gases.

It is important to be properly fitted for the respirator to be effective. Reusable respirators may only be issued to personnel after approval and fit test conducted by a SCL Safety Health and Wellness specialist.

Each brand of reusable respirator requires the same brand of cartridges.

It is important to select the appropriate respirator cartridges and filters based on your specific application or environment.

Different cartridges are effective protection against specific particulates.

All filters are identified with National Institute for Occupational Safety and Health (NIOSH) Air Filter Ratings.

Stock Unit: Respirator: EA; Cartridge: PR

Stock No.	Description	Size	
014762	7500 Series half-face, particulate respirator	S	
014763	"	M	
014764	"	L	
014765	Ultimate FX 400 Series full-face, particulate respirator, black	M	
014766	"	L	
014767	P100 particulate filter for all particulates, bayonet connection	One size	
014768	Organic vapor cartridge, low profile, bayonet connection	One size	
014769	Multi-gas/vapor cartridge with a P100 particulate filter for all particulates, bayonet connection	One size	
014944	Semi-permanent lens protector for 3M Ultimate FX 400 Series respirators (Stock Nos. 014765 and 014766). Scotchgard coating. Adhesive seal around perimeter of lens forms a barrier against debris.	One size	

Respiratory Protection System, Reusable, Honeywell 4009.15

Respirators are designed to protect the wearer from inhaling particulate matter, including airborne microorganisms, fumes, vapors and gases.

It is important to be properly fitted for the respirator to be effective. Reusable respirators may only be issued to personnel after approval and fit test conducted by a SCL Safety Health and Wellness specialist.

Each brand of reusable respirator requires the same brand of cartridges.

It is important to select the appropriate respirator cartridges and filters based on your specific application or environment.

Different cartridges are effective protection against specific particulates.

All filters are identified with National Institute for Occupational Safety and Health (NIOSH) Air Filter Ratings

Stock Unit: Respirator: EA; Cartridge: PR

Stock No.	Description	Size
110450	7700 Series half-face, particulate respirator	S
110451	"	M
110452	"	L

014770	7600 Series full-face, particulate respirator, black	M/L

110460	P100 particulate filter for all particulates, magenta	One size

110461	Organic vapor cartridge, black	One size

110462	Organic vapor and acid gas cartridge with a P100 particulate filter for all particulates, magenta/yellow	One size

014943	Clear, peel-away cover lens for use with Honeywell 7600 Series full-face particulate respirator (Stock No. 014770).	One size

Respiratory Protection System, Disposable 4009.15

Respirators are designed to protect the wearer from inhaling particulate matter, including airborne microorganisms, fumes, vapors and gases.

All filters are identified with National Institute for Occupational Safety and Health (NIOSH) Air Filter Ratings.

Stock Unit: EA

Stock No.	Description
010079	Particulate respirator, disposable, P95 NIOSH rating, with exhalation valve. Use for particulates and nuisance odors.

010078	Particulate respirator, disposable, N100 NIOSH rating. Use for dust and other particles.

110141	Particulate respirator, disposable, N95 NIOSH rating. Use for nuisance dusts only.

Mask, Cloth, Reusable 4009.31

100% cotton, white, three-layer mask, ear-loop style, snug fit. Washable.

Cloth masks cover the nose and mouth of the wearer.

Cloth masks slow the spread of airborne viruses by reminding wearers to avoid touching their nose and mouth and limiting droplets exhaled into the environment.

Cloth masks are reusable and should be washed and hung out to dry daily.

Stock Unit: EA

Stock No.: 014637

Gaiter, Neck, Flame-Resistant 4009.33

FR neck gaiters are stretchy fabric tubes that are worn around the neck. They are designed to be pulled up to cover the nose and mouth of the wearer.

FR neck gaiters slow the spread of air borne viruses by reminding wearers to avoid touching their nose and mouth and limiting droplet exhaled into the environment, while providing a degree of protection against arc flash.

It is recommended that FR neck gaiters be washed and hung to dry daily. See manufacturer instruction for washing.

FR neck gaiters provide an alternative to FR cloth masks, Stock No. 014638.

Product details:

- 4-way stretch fabric that can withstand multiple washings
- Flame resistant
- Arc rated CAT 2, 8.7 cal/cm2
- Antimicrobial and anti-odor treated fabric fibers
- UPF 50+ rated sun protection
- 12-inch length, nominal
- Color: heather gray

Stock Unit: EA

Stock No.: 014674

Mask, Flame Resistant (FR), Pleated, Reusable 4009.34

FR masks should be washed and hung to dry daily. See manufacturer instructions for washing.

FR masks slow the spread of airborne viruses by reminding wearers to avoid touching their nose and mouth and limiting droplets exhaled into the environment, while also providing a degree of protection against arc flash.

Product details:

- Covers the nose and mouth of the wearer and fits snugly but comfortably against the side of the face
- Made of flame-resistant modacrylic cotton (FRMC) fabric
- Arc rated 9.1 Cal; CAT 2
- Nominal dimensions: 3-1/4 in x 6-1/4 in
- Secured with two ties
- Pleated
- Capable of withstanding 50 washings without loss of function

Stock Unit: EA

Stock No.: 014638

Mask, Ear-Loop, Disposable 4009.37

Ear-loop masks are disposable, personal protective equipment (PPE) that create a physical barrier between the mouth and nose of the wearer and potential contaminants in the immediate environment.

If worn properly, masks help block large-particle droplets, splashes, sprays, or splatter that may contain viruses and bacteria, keeping such substances from reaching the wearer's mouth and nose.

Masks are also intended to help remind the wearer to not touch their mouth or nose, which could otherwise transfer viruses and bacteria to wearer after having touched a contaminated surface.

Masks, by design, do not filter or block very small particles in the air that may be transmitted by coughs or sneezes.

Masks are intended for single use only.

Product details:

- Pleated style with ear loops
- 3-layer design
  - Outside, moisture proof woven layer (25g/m^2)
  - Middle layer, meltdown woven (20g/m2)
  - Inside layer, non-woven (25g/m2)
- Bacterial Filtration Efficiency (BFE) ≥ 95% (BFE is measured in percentage of particles filtered out at a pore size of 3.0 microns (μ)
- Fluid resistant
- Low breathing resistance
- Latex-free and hypo-allergenic
- Adjustable nose

Stock Unit: EA

Stock No.: 013004

Respirator, Disposable, KN95 4009.42

KN95 respirators are designed to protect the wearer from inhaling particulate matter.

KN95 respirators are designed to help provide reliable respiratory protection of at least 95 percent filtration efficiency against certain non-oil-based particles. Respirators are designed for use for particles such as those generated from grinding, sanding, sweeping, sawing, bagging, and other operations that create dust.

Product details:

- Adjustable nose clip
- 4 or 5-ply layers, non-woven design
- Elastic, over-the-head, dual head straps
- Ability to create a tight seal around the mouth and nose

Stock Unit: EA

Stock No.: 014636

Cotton Work Gloves 4010.03

Cotton work gloves are best suited for light duty jobs that require a lot of finger/hand dexterity. Cotton work gloves are used primarily by vegetation management crews and Right-of-Way (ROW) crews.

Product details:

- Made of 100% cotton canvas, 22-oz palm, 10-oz back
- Knit wristband
- Red elastic band shirred at back of wrist for snug fit
- Double ply quilted palm

Stock Unit: PR

Stock No.	Size
014543	M
014544	L
014545	XL

Gloves, Work, Coated-Palm, Insulated 4010.05

Insulated, coated-palm gloves provide protection from freezing temperatures, as well as excellent grip and abrasion resistance.

Coated palm gloves are not appropriate for use as protectors over insulating rubber gloves or for protection against shock or hazardous voltage.

Stock Unit: PR

Stock No.	Size
014971	7/S
014972	8/M
014973	9/L
014974	10/XL

Gloves, Nitrile, Reusable, 15 mils Thick 4010.07

13-in length, cotton flocking, green.

Provides general-purpose hand protection against chemicals as well as abrasion resistance.

Stock Unit: PR

Stock No.	Size
110315	6/6-1/2
110316	7/7-1/2
110317	8/8-1/2
110106	9/9-1/2
110107	10/10-1/2
110108	11/11-1/2

Gloves, Nitrile, Reusable, 17 mils Thick — 4010.07

13-in length, flock-lined, green.

Provides general-purpose hand protection against chemicals as well as abrasion resistance.

Stock Unit: PR

Stock No.	Size
110260	7/7-1/2
110261	8/8-1/2
110262	9/9-1/2
110263	10/10-1/2
110264	11/11-1/2

Gloves, Nitrile, Disposable, 8 mils Thick — 4010.07

12-in length, powder-free, 100% DEHP and silicone free, blue, box of 50.

Provides general-purpose hand protection against chemicals.

Stock Unit: BX

Stock No.	Size
110250	Small
110252	Medium
110254	Large
110256	X-Large
015066	2X-Large

Gloves, Work, Coated-Palm, Insulated, Water-Resistant 4010.11

Water-resistant, insulated, coated-palm gloves provide protection from freezing temperatures as well as moisture and abrasion.

They are best suited for light duty jobs that require finger/hand dexterity, and when a good grip is necessary in cold or wet environments. Even when wet, the glove's rough surface allows for increased control, and the flexible material enables easy movement.

Coated palm gloves are not appropriate for use as protectors over insulating rubber gloves or for protection against shock or hazardous voltage.

Stock Unit: PR

Stock No.	Size
014946	7/M
014947	8/L
014948	9/XL
014949	10/XXL

Ground Gloves 4010.13

Intended primarily for use by those needing cut resistance. They may also benefit members of other trades. Ground gloves are also known as mechanic hybrid gloves.

Not appropriate for use as protectors over insulating rubber gloves or for any sort of protection against shock or hazardous voltage.

While ground gloves have a level 2 category rating of arc flash/fire resistance protection, they are not appropriate for work with a high arc flash/flame exposure.

Stock Unit: PR

Stock No.	Size
013954	Small
013955	Medium
013956	Large
013957	X-Large
013958	2X-Large

Coated Palm Work Gloves 4010.15

Coated palm work gloves are primarily intended for use by those needing a high level of cut resistance and a minimum level of arc flash/flame protection. Coated palm gloves are best suited for light duty jobs that require a lot of finger/hand dexterity. May also be used with touch screen devices. They provide a good grip when working with oil or greasy substances.

Coated palm work gloves are not appropriate for use as protectors over insulating rubber gloves or for protection against shock or hazardous voltage.

Stock Unit: PR

Stock No.	Size
013944	Small
013945	Medium
013946	Large
013947	XLarge
013948	2XLarge

Gloves, 27 Cal, Kevlar-Lined Leather, Wide Safety Cuff 4010.17

Kevlar-lined leather gloves with a wide safety cuff. These gloves are primarily intended for use by lineworkers. Can also benefit members of other trades who need a high level of cut and arc rating.

These gloves are not appropriate for use as protectors over insulating rubber gloves or for any sort of protection against shock or hazardous voltage.

Stock Unit: PR

Stock No.	Size
013959	Small
013960	Medium
013961	Large
013962	X-Large
013963	2X-Large

Gloves, 53 Cal, Kevlar-Lined Leather, Safety Cuff, Rainproof 4010.19

Kevlar-lined, rainproof leather gloves with a safety cuff. These gloves are primarily intended for use by lineworkers. Can also benefit members of other trades who need a high level of cut and arc rating.

These gloves are not appropriate for use as protectors over insulating rubber gloves or for any sort of protection against shock or hazardous voltage.

Stock Unit: PR

Stock No.	Size
014388	Small
014389	Medium
014390	Large
014391	XL
014392	2XL
014393	3XL

Gloves, Ground, 37 Cal, Kevlar-Lined Leather 4010.23

For use by those needing dexterity as well as cut resistance and FR protection.

Ground gloves are not appropriate for use as protectors over insulating rubber gloves or for any sort of protection against shock or hazardous voltage.

Product details:

- Made from 18 oz/yd2 goat grain leather
- Lined with Kevlar
- Arc flash rating: FR37 (37 cal/cm²).
- Puncture resistance rating: Level 5 (ANSI/ISEA)
- Cut resistance rating: Level A4 (ANSI/ISEA)

Stock Unit: PR

Stock No.	Size
014684	Small
014685	Medium
014686	Large
014687	XL
014688	2XL

Gloves, Ground, 55 Cal, Kevlar-Lined, Leather, Rainproof, Insulated — 4010.27

for use in freezing and snowy weather.

These gloves also provide excellent dexterity as well as cut resistance and FR protection.

Ground gloves are not appropriate for use as protectors over insulating rubber gloves or for any sort of protection against shock or hazardous voltage.

Product details:

- FR cowhide leather outer shell, tanned for oil and water resistance
- Nomex insulation
- 100% waterproof membrane
- Cut-resistant Kevlar lining
- Arc flash rating: FR55 (55 cal/cm²).
- Puncture resistance rating: Level 5 (ANSI/ISEA)
- Cut resistance rating: Level A4 (ANSI/ISEA)

Stock Unit: PR

Stock No.	Size
014812	Small
014813	Medium
014814	Large
014815	X-Large
014816	2X-Large

Liner, Glove, FR, Fleece — 4010.33

For use under leather ground gloves during freezing or snowy weather conditions to keep hands warm and dry.

Product details:

- Made of Polartec Power Dry FR microfleece
- Permanently flame resistant
- Arc flash rated at 9.5 cal/cm2

Stock Unit: PR

Stock No.	Size
014819	Small
014820	Medium
014821	Large
014822	XL
014823	2XL

Bag, Canvas, Rubber Glove Storage 4010.60

Canvas bags for storing rubber electrical insulating gloves and associated leather protectors (keepers).

Stock No. 014396 is for storing Class 0 gloves as specified in SCL 7634.60.

Stock No. 760153 is for storing Class 2 gloves as specified in SCL 7634.62.

Bag dimensions are 8 in x 4 in x 15 in (L x W x H).

Stock Unit: EA

Stock No.	Description
014396	Glove storage bag with label “LOW VOLTAGE”
760153	Glove storage bag with label “HIGH VOLTAGE”

Boots, Polymer, Knee-High, Heavy-Duty 4011.17

Knee-high polymer boots are primarily used by personnel in general industrial, farm, and occupational applications where waterproof footwear is needed.

Knee-high, polymer boots feature a composite safety toe.

Stock Unit: PR

Stock No.	Men’s	Women’s
760587	4	6
760588	5	7
760589	6	8
760590	7	9
760591	8	10
760592	9	11
760593	10	12
760594	11	–
760595	12	–

Boots, Knee-High, Polymer, Puncture-Resistant Sole 4011.19

Puncture-resistant-sole, polymer, knee-high boots are primarily used by personnel for general industrial and occupational applications where a puncture-resistant sole is needed.

Product details:

- Puncture-resistance rating
- Eco-friendly EVA compound polymer
- 100% waterproof
- Knee-high, over-the-sock, pull-on style
- Protective toecap and midsole
- Sole:
  - Slip resistant
  - Energy-absorbent
  - Cut-resistant
  - Antistatic
  - Oil-resistant

Stock Unit: PR

Stock No.	Men's	Women's
015079	5	7
015080	6	8
015081	7	9
015082	8	10
015083	9	11
015084	10	12
015085	11	–
015086	12	–
015092	13	–
015093	14	–

Hip Boots, Rubber 4011.21

With steel safety toe and shank.
Used primarily by personnel in general industrial, farm, and occupational applications where waterproof footwear is needed.

Stock Unit: PR

Stock No.	Men's	Women's
760570	–	5
760571	–	6
760572	–	7
760578	6	8
760579	7	9
760580	8	10
760581	9	11
760582	10	–
760583	11	–
760584	12	–

Ice Cleats, Slip-On 4011.26

Stretchable rubber, slip-on ice cleats are for shoes and boots to provide the wearer improved stability on snow and ice.

Product details:

- Maintain flexibility at -40 degrees F
- Slip-on, one-piece design for a snug fit over shoes or boots
- Large thumb tabs on the heel for easy attachment and removal
- Heat-treated, carbon-steel studs (replaceable) that line the length of the sole

Stock Unit: PR

		Shoe Size	
Stock No.	**Size**	**Men's**	**Women's**
014662	Medium	5-8	7-10
014663	Large	8-11	10-13
014664	X-Large	11-15	13-16
014665	2X-Large	15-18	-

014666 Heat-treated, carbon-steel stud replacements (8/PK)

Mat, Foam Rubber 4011.31

Foam rubber mats are used to cushion workers' knees when kneeling for extended periods of time.

Product details:

- Silicone-free, closed-cell nitrile foam rubber
- Self-extinguishing
- Will not absorb liquids
- Dimensions: 14 in x 21 in
- Thickness: 1 in
- Edges: beveled
- Color: black with yellow safety caution bars around perimeter

Stock Unit: EA

Stock No. 014695

Water Bottle, Reusable, Personal 4012.05

Seattle City Light brand bottle.

Product details:

- BPA-free plastic.
- Extra wide mouth with tethered twist lid. 32 oz.
- Color: apple green, clear, or blue

Stock Unit: EA

Stock No. 014635

Bottled Water and Electrolyte Beverages 4012.11

These products are for worker hydration during a heat event (hot weather period when temperatures are at or above 80 degrees F).

This standard is implemented in accordance with SCL Safety, Health, and Wellness Division (SHAW) Standard SHW 23, Outdoor Heat Exposure.

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Stock No.	Description	Stock Unit
014824	Bottled water, 16-20 oz	CS
014825	Bottled electrolyte beverage, sugar-free, 4-flavor variety pack, 12 oz	CS
014826	Powdered electrolyte beverage, sugar-free, 4-flavor variety pack, 20-oz-yield packets	PK
014827	Powdered electrolyte beverage, 3-flavor variety pack, 6-gallon-yield packets	PK

Body Cooling Accessories 4012.17

Body cooling accessories, including towels, skull caps, and safety helmet liners.

For use during a heat event (a hot-weather period when temperatures are at or above 80 degrees F).

Stock Unit: EA

Stock No.	Description
015115	Cooling microfiber towel, 34.25” L x 8.33” W
015116	BOLT cooling safety helmet liner
015117	BOLT cooling skull cap

Sunscreen Lotion, Single-Dose Foil Packets 4012.21

Sunscreen is supplied in a dispenser box containing multiple individual packets of sunscreen.

Product details:

- SPF 50
- Broad spectrum with UVA/UVB protection
- FDA Registered
- Non-greasy
- Ortho-phthalate-free
- Alkylphenol (APE)-free
- Oxybenzone-free
- Paraben-free
- FDA-rated water resistant to a duration time of 60 minutes or greater

Stock Unit: BX

Stock No. 014829

Secondary FR Protection Coverall 4013.25

Tempro® fabric hooded coverall, standard fit attached hood, serged seams, elastic wrist, elastic ankle, blue, and front zipper closure with or without attached sock boots.

Secondary FR protection coveralls are worn over primary FR clothing to resist nuisance contamination from solids and non-toxic liquids.

Secondary FR protection coveralls do not provide protection from hazardous chemical exposures or provide additional FR protection.

Secondary FR protection coveralls are considered single use garments.

Stock Unit: EA

Stock No.		
With Attached Sock Boots	**Without Sock Boots**	**Size**
013209	013219	Small (S)
013210	013220	Medium (M)
013211	013221	Large (L)
013212	013222	Extra-large (XL)
013213	013223	Double extra-large (2X)
013214	013224	Triple extra-large (3X)
013215	013225	Four extra-large (4X)
013216	013226	Five extra-large (5X)
013217	013227	Six extra-large (6X)
013218	013228	Seven extra-large (7X)

Arc Flash Suit 4013.29

Hooded coverall, respirator fit, draw string hood, elastic wrist, front zipper, high-visibility orange, flame resistant.

Arc flash suits (with special accessories) are worn to protect employees from known arc flash hazards and maintain state and federal compliance. Arc flash suits also offer protect against liquid chemical splash. Employees must be trained prior to using arc flash suits and accessories. Contact Seattle City Light Safety & Health for details.

Stock Unit: EA

Stock No.	Size
013229	Medium (M)
013230	Large (L)
013231	Extra-large (XL)
013232	Double extra-large (2X)
013233	Triple extra-large (3X)
013234	Four extra-large (4X)
013235	Five extra-large (5X)

Arc Flash Protection Accessories 4013.31

Arc flash garment accessories are worn with arc flash suits to protect employees from known arc flash hazards and maintain state and federal compliance.

Balaclavas (sock hoods), Stock No. 013236, are intended to be used in conjunction with arc flash goggle, Stock No. 013237, to result in a system that offers an Arc Thermal Performance Value (ATPV) of 27 cal/cm2 (ASTM 2178 test method).

Employees must be trained prior to using arc flash suits and accessories.

Stock Unit: EA

Stock No.	Description	
013236	Carbon Kevlar balaclava (sock hood)	
013237	Medium energy arc goggles	
013562	PrismShield Plus balancing face shield with full-brim assembly	
013238	Arc flash face shield kit for full brim helmets	
013497	Arc flash face shield storage bag	

High-Visibility, Flame-Resistant Safety Vest, Lightweight, with Velcro Closure — 4015.15

Safety vests are intended to enhance visibility of the user in hazardous situations under any light conditions by day and under illumination by vehicle headlights in the dark.

Safety vests are designed and manufactured with flame resistant textile so as to, at the minimum, not contribute to the injuries of an electrical worker exposed to a momentary electric arc and related thermal hazard.

Safety vests have an arc thermal performance value (ATPV) rating of 4.6 cal/cm2 and are intended to be layered over other flame resistant personal protective equipment (PPE). Safety vests alone shall not be expected to offer protection against momentary electric arcs.

See SCL 4015.18 for lightweight safety vests with zipper closures and SCL 4015.10 for standard weight safety vests.

Stock Unit: EA

Stock No.	Size	Chest Range (in)	Center Back Length(in)
012962	Small	40–42	27
012963	Medium	42–44	27
012964	Large	46–48	27
012965	XLarge	50–52	27
012966	2XLarge	54–56	27
012967	3XLarge	58–60	28
012968	4XLarge	62–64	28
014603	6XLarge	74-76	32

High-Visibility, Flame-Resistant Safety Vest, Standard Weight — 4015.18

Safety vests are intended to enhance visibility of the user in hazardous situations under any light conditions by day and under illumination by vehicle headlights in the dark.

Safety vests are also designed and manufactured with flame-resistant textile. This means that, when the vest is layered over AR-compliant daily wear, it will, at a minimum, not contribute to the injuries of an electrical worker exposed to an arc flash.

Safety vests have an arc performance category of CAT 1, and an arc thermal performance value (ATPV) rating of 6.5 cal/cm2 and are intended to be layered over other flame-resistant personal protective equipment (PPE). Safety vests alone shall not be expected to offer protection against momentary electric arcs.

These vests, because they are orange in color as well as feature an X reflective tape pattern on the back, are approved for wear in the railroad right-of-way.

Lightweight safety vests, as specified in SCL 4015.15 and 4015.21, are for use in warmer weather.

Stock Unit: EA

Stock No.	Size	Chest Range (in)	Center Back Length (in)
015013	SM	34–38	27.5
015014	MD	38–42	27.5
015015	LG	42–46	27.5
015016	XL	46–50	27.5
015017	2X	50–54	28
015018	3X	54–60	28.5
015019	4X	60–64	29
015020	5X	64–68	29.5

High-Visibility, Flame-Resistant Safety Vest, Lightweight, with Zipper Closure — 4015.21

Safety vests are intended to enhance visibility of the user in hazardous situations under any light conditions by day and under illumination by vehicle headlights in the dark.

Safety vests are also designed and manufactured with flame resistant textile. This means that, when the vest is layered over AR compliant daily wear, it will, at a minimum, not contribute to the injuries of an electrical worker exposed to an arc flash.

Safety vests are intended to be layered over other flame-resistant personal protective equipment (PPE). Safety vests alone shall not be expected to offer protection against momentary electric arcs.

Standard weight safety vests are specified in SCL 4015.18.

Stock Unit: EA

Stock No.	Size	Chest Range (in)	Minimum Length (in)
015033	SM	34–38	27.5
015034	MD	38–42	27.5
015035	LG	42–46	27.5
015036	XL	46–50	27.5
015037	2X	50–54	28
015038	3X	54–60	28.5
015039	4X	60–64	29
015040	5X	64–68	29.5

Coverall, Protective, PCB and Asbestos Work — 4015.25

Saranex coveralls are worn over clothing, providing a protective barrier against a range of chemical hazards such as PCBs.

Tyvek coveralls are worn over normal clothing, providing a protective barrier against hazardous dry particles and aerosols, and nonhazardous light liquid splashes. May be used in a variety of applications including general maintenance, asbestos and lead abatement, mold remediation, and environmental cleanups.

Stock Unit: EA

Stock No.	Description	Material
110348	Coverall, Medium	Saranex
110350	Coverall, Large	"
110352	Coverall, Extra-Large	"
110354	Coverall, Double Extra-Large	"
110362	Coverall, Medium	Tyvek
110364	Coverall, Large	"
110366	Coverall, Extra Large	"
110367	Coverall, Triple Extra Large	"
110369	Coverall, Five Extra Large	"
014604	Coverall, Six Extra Large	"

Boot Cover, Protective, PCB and Asbestos Work 4015.25

Saranex boot covers provide a protective barrier against a range of chemical hazards such as PCBs.

Tyvek boot covers provide a protective barrier against hazardous dry particles and aerosols, and nonhazardous light liquid splashes. May be used in a variety of applications including general maintenance, asbestos and lead abatement, mold remediation, and environmental cleanups.

Stock Unit: EA

Stock No.	Description	Material
110370	Boot Cover, Large/Extra-Large	Saranex
014298	Boot Cover, Double Extra-Large	Saranex
110380	Boot Cover, One Size Fits All	Tyvek

First Aid Kit and Replenishment Supplies, General Use 4018.15

Product details (kit):

- Steel hinged metal
- Water resistant
- Gasket lid
- Carrying handles

Replenishment supplies are shrink-wrapped in individual boxes (unitized).

16-unit kits are designed for use in small offices and vehicles intended to serve up to 12 persons.

24-unit kits are designed for use in offices, vehicles, and small work sites intended to serve up to 15 persons.

36-unit kits are designed for use in offices, vehicles, and construction work sites, intended to serve up to 24 persons.

Stock Unit: First Aid Kit: EA; Replenishment Supplies: PK

Stock No.	Description
110121	16-unit kit, white with blue screened City of Seattle logo ANSI Class A - Type III
110123	24-unit kit, white with blue screened City of Seattle logo. ANSI Class A - Type III
110124 –	36-unit kit, white with blue screened City of Seattle logo. ANSI Class A – Type III and OSHA Red Cross First Aid Guide ANSI 2015
014714	CPR kit, 1 CPR barrier shield with one-way valve, single use, 1 Scissors – 4", and 1 First Aid Tape, 1/2" x 5 yd
014715	Hand Sanitizer Packets, 0.9 g, 10ct/box
110010	Bandage, Adhesive Fabric, 1" x 3", later free, non-stick pad, 16ct/Box
014716	Ointment, Triple Antibiotic, 0.5g packets, 12ct/box
110004	Pads, BZK Antiseptic Towelettes, 10ct/box
110145	Ointment, First Aid, Burn Cream Packets, 0.9g, 12ct/box
014717	Dressing, Burn, 4" x 4"
110023	Ice Pack, Instant, 4" x 5"
110061	Gloves, Nitrile, Disposable, Large, 4ct/box
110096	Pads, Gauze, Sterile, 3" x 3", 4ct/Box
110018	Bandage, Triangular, Non-sterile, 40" x 40" x 56", with safety pins
014718	Eye Care kit: 1 Eyewash, 1oz with 2 Eye Pads and Strips
013406	Dressing (ABD pad), Trauma Pad, Sterile, 5" x 9"
110016	Bandage, Conforming Gauze Rolls, Non-sterile, 2"x4 yd, 2ct/box
110186	Wipes, Sting Relief, individual packets, 10ct/box
110014	Bandage, Hema-Flex, Compress, 4” x 72” Sterile Bandage with 4" x 8" Non-Adherent pad, Fastening clips
110095	Bandage, Sterile, Gauze Compress 24"x72" 1/box
110170	Forceps, 3.5", stainless steel
110029	Blanket, Mylar, Thermal, Rescue, 52" x 84"
110125	Bandage, Knuckle, Fabric, latex free, non-stick pad, 8ct/box
014719	Splint, padded, flex, 4"x24"
014720	Bandage, Wrap, Elastic, 2" x 5 yd, with 2 fasteners
014721	Pads, Gauze, Sterile, 4" x 4", 4ct/box

First Aid Supplies, Supplemental 4018.17

First aid supplies noted below are supplement to the portable unitized first aid kits specified in SCL 4018.15.

Stock No.	Description	Stock Unit
Bandages and Tape		
013381	BANDAGE, 1″ x 3″, heavy woven, adhesive (50/PK)	PK
110009	BANDAGE, butterfly, adhesive (16/PK)	PK
110011	BANDAGE, 3/4″ x 3″, adhesive with treated pad (100/PK)	BX
110012	BANDAGE, assorted, adhesive plastic (75/PK)	PK
110013	BANDAGE, 3″, sterile compress pad with ties (2/PK)	PK
Eyewash		
013002	EYEWASH, sterile, Additive for portable eyewash stations, 16 oz	EA
013534	EYEWASH, sterile, personal 4 oz. size bottle	EA
Fire Blankets and Accessories		
110033	FIRE BLANKET, extinguishing	EA
110034	STORAGE BAG, for fire blanket	EA
Hot and Cold Packs		
013147	HEAT PACK, body. Air-activated adhesive body warmer	EA
110024	ICE PACK, instant, 5″ x 8″ or equivalent	EA
110030	HEAT PACK, instant, pair of 2″ x 3″	EA
110038	TOE HEATER, Air-activated and adhesive. For boots and shoes	PK
Sunscreen		
110002	SUNSCREEN, SPF 30, 1 oz tube	EA
Towelettes		
110040	TOWELETTES, antimicrobial skin wipes, Kills 99.99% of Germs, 100 individual wipes per box	EA
110071	CLEANER/DISINFECTANT, respirators and personal equipment. Ammonium base towelette in foil packet	EA

Hand Sanitizer 4018.19

For killing common germs.

Product details:

- Active ingredient: ethanol or isopropyl alcohol
- Alcohol content (minimum): 60% ethanol or 70% isopropyl alcohol
- Gel liquid

Stock Unit: EA

Stock No.	Description
012946	Personal size, 2 fl oz
012999	Screw top bottle, 8 fl oz
775456	Pump style, 12 fl oz

Dog Repellent 4018.25

1.5 oz aerosol.

This product is flammable. Application directly to FR clothing should be avoided.

Stock Unit: EA

Stock No.: 110060

Insect Repellent, DEET 4018.25

6 oz personal size, aerosol.

Stock Unit: EA
Stock No.: 110160

Insect Repellent, Herbal 4018.25

Bite Blocker, non-DEET, 4.7 oz spray.

Stock Unit: EA
Stock No. 012481

First Aid Supplies, Trauma 4018.29

Trauma first aid supplies are intended for use by field crews in remote locations for response to serious injuries where paramedic response is not near at hand. These supplies are not intended to replace the services of paramedics.

Users should determine which items, and how many of each, they need to form their kit. All supplies are for single use only.

Stock Unit: EA

Stock No. **Description**

014953 Burntec wound dressing.

For use in the following situations:

- First, second, and third-degree burns (thermal, chemical, electric)
- Sunburn, abrasions, and skin irritations
- Bruises and swelling (insect bites) and other skin injuries

Weight: 13.2 oz

Dimensions:

- Packaged: 9.5 in (L) x 18 in (W) x 0.02 in (D)
- Open length: 8 in x 16 in

014954 Burntec dressing facial mask.

For use in the following situations:

- First, second, and third-degree burns (thermal, chemical, electric)
- Sunburn, abrasions, and skin irritations
- Bruises and swelling (insect bites) and other skin injuries

Weight: 19.4 oz

Dimensions:

- Packaged: 14.8 in (L) x 6.9 in (W) x 1 in (D)
- Open length: 12 in x 16 in

014955 QuikClot combat gauze.

For temporary external control of traumatic bleeding. Flexible and pliable, and contours to all wounds. Effective, simple, and safe to use when trying to control life-threatening hemorrhage from wounds that are not amenable to tourniquet application. Heat free. 5-year shelf life.

Weight: 0.8 oz

Dimensions:

- Packaged: 5 in (H) x 5.5 in (W) x 0.625 in (D)
- Gauze: 3 in (W) x 12 ft (L)

014956 Rolled responder emergency trauma dressing, 6 in.

Sterile pressure bandage. Equipped with a non-adherent pad and easy-to-use hook & loop securing device.

Weight: 2.9 oz

Dimensions:

- Bandage: 60 in (L) x 6 in (W)
- Pad: 6 in (H) x 6 in (W)
- Packaged: 6 in (L) x 2.5 in (W) x 2.1 in (D)

Continued on next page.

First Aid Supplies, Trauma, continued — 4018.29

014957 Flat responder emergency trauma dressing, 4 in.

Sterile pressure bandage. Equipped with a non-adherent pad and easy-to-use hook & loop securing device.

Weight: 2.0 oz

Dimensions:

- Bandage: 60 in (L) x 4 in (W)
- Pad: 6 in (H) x 4 in (W)
- Packaged: 4.25 in (L) x 2.75 in (W) x 0.875 in (D)

014958 Wound-packing gauze, white.

Z-folded gauze designed for both linear wound packing and basic bandaging. Used as backing gauze for hemostatic agents in conjunction with a compression bandage to control hemorrhage or for minor wound bandaging. Includes embedded X-Ray detectable line. 1 ply.

Weight: 1.2 oz

Dimensions:

- 1 ply
- 3 in (H) x 5 yd (L)
- Packaged 3 in (H) x 2 in (W) x 1 in (D)

014959 Elastic wrap bandage, 6 in.

Latex-free elastic wrap bandage designed to provide support and compression. Easy-to-use hook & loop securing device. Ideal for securing hot/cold packs, splinting, sprains, strains, swelling, and general soreness.

Weight: 2.1 oz

Dimensions:

- Packaged (rolled): 2 in (D) x 6 in (W)
- Bandage: 6 in (W) x 5 yd (L) (fully stretched)

014960 Combat application tourniquet.

Used to occlude blood flow in both upper and lower extremities in the event of a traumatic wound with significant hemorrhage.

Weight: 3.04 oz

Dimensions:

- Packaged: 6 in (L) x 2.4 in (W) x 01.5 in (D)
- Open length: 37.5 in

014961 HyFin vent chest seal twin pack.

For treatment of both entry/exit wounds or multiple penetrating injuries. Peel-and-apply application.

Weight: 2.5 oz

Dimensions:

- 6 in (H) x 6 in (W) excluding tab
- Folded package: 7.5 in (H) x 4.5 in (W) x 0.25 in (D)

Insecticide, Poison-Free 4018.32

Mint-oil-based, 17.5 oz aerosol can.

Stock Unit: EA

Stock No.: 012868

Insecticide, Fast-Acting 4018.32

High dielectric strength,14 oz can.

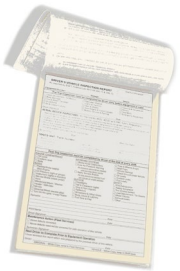
Stock Unit: EA

Stock No.: 110161

Driver Vehicle Inspection Report (DVIR) Books 4019.85

Driver Vehicle Inspection Report (DVIR) Books, approximately 5-1/2” x 8-1/2”, 2-ply carbonless design.

DVIR books are used by all Seattle City Light commercial vehicle drivers. At the beginning of each driving shift, the driver shall complete a Driver Vehicle Inspection Report that covers all the items in the pre-trip inspection for Commercial Driver's License (CDL) Units and Towed Units. Additional instructions are printed on the cover and inside each book. Documenting daily vehicle inspections are a requirement of D.O.T. Federal Law 49 CFR 396.11 & 396.13. For more information, contact your supervisor or City Light’s Safety Unit.



Stock Unit: EA

Stock No.: 013343

Rope Snatch Blocks 4023.05

Rope snatch blocks with integrated friction bars and swivel tops. Rope snatch blocks are used for hurtman/self-rescue, lowering, raising, and snubbing loads.

Rope snatch blocks are to be used with synthetic ropes only. They are not to be used with wire or natural fiber ropes. Maximum rope diameter is 5/8 in.

A rope snatch block is one of the tools required to perform wood pole rescue. See SCL 0058.31.

Working load limits (WLL) must not be exceeded.

Stock Unit: EA

Stock No.: 014433

Climbing System Kits, Lattice Tower, MSA 4025.05

The typical-height (Non-Spec 500) kit can accommodate up to a 118-ft-tall tower (e.g., a 50-ft body height with 25-ft total body + leg extensions).

The tall (Non-Spec 500) kit can accommodate up to a 158-ft-tall tower (e.g., a 70-ft body height with 45-ft total body + leg extensions).

The Spec 500 climbing kit can accommodate up to a 112-ft-tall tower (e.g. a 53-ft body height to bottom arm with 25-ft leg extensions).

Contact SCL Structural Engineering to identify the stock number of the appropriate kit.

Stock Unit: EA

Stock No.	Description
014668	Complete kit for a typical-height tower (non-Spec 500)
014669	Complete kit for a tall tower (non-Spec 500)
014670	Complete kit for a typical-height Spec 500 tower
014671	TowerLatch SP device, 330-lb rated

Overhead "Y" Distribution Transformer, Single-Phase, Natural Ester Fluid — 4150.00

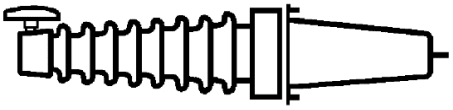
This class of transformers is typically used to serve homes and small businesses. These units are the most common transformer type installed annually in the SCL distribution system.

Stock Unit: EA

kVA	120/240	Long bushing YL 120/240	138.5/277	240/480	2400	1385/2400	Parallel-connected "cut-straight" secondary 120/240 cut 120
25	355122	–	355622	–	–	–	355822
50	355132	356132	355632	355332	355932	–	355832
75	355134	356134	355634	355334	355934	–	355834
100	355136	356136	355636	355336	355936	–	355836
167	355142	356142	355642	–	355942	359942	355842
250	–	–	–	–	355948	359948	–

Long Bushings, YL Transformers Only, Overhead-Type, Single-Phase, Natural Ester Fluid Distribution Transformers — 4150.00

150 kV BIL bushing, including handwheel terminal.



Stock Unit: EA

Stock No.	Description
690137	150 kV BIL bushing, including handwheel terminal, compatible with ABB/PPI transformers
690139	150 kV BIL bushing, including handwheel terminal, compatible with Central Moloney, Howard and Cooper transformers

4 kV, Overhead-Type, Single-Phase, Natural Ester Fluid Distribution Transformers

4154.00

Single-phase, pole-mounted transformers from 50 kVA to 167 kVA.

These transformers are used only for emergency replacements of existing units connected to the aging and shrinking 4kV distribution system.

Stock Unit: EA

kVA	120/240
50	351132
75	351134
100	351136
167	351142

Pad Mounted, Three-Phase, Natural Ester Fluid Distribution Transformer — 4240.00

25 564GrdY/14 760 or 26 400GrdY/15 242, three-phase, pad-mounted transformer.

This class of transformers is installed on concrete pads and is used to serve large businesses when either overhead or submersible transformers are impractical, or the customer requires more than 500 kVA of capacity.

Stock Unit: EA

		Low Voltage			
kVA	**High Voltage**	**208Y/120**	**480Y/277**	**Fuses**	**Taps**
150	25 564GrdY/14 760	374840	374440	3	–
225	″	374846	374446	3	–
300	″	374850	374450	3	–
500	″	374860	374460	3	–
750	26 400GrdY/15 242	374866	374466	–	5
1000	″	374872	374472	–	5
1500	″	–	374476	–	5
2000	″	–	374478	–	5
2500	″	–	374480	–	5

Padmount Transformer Neutral Ground Strap — 4240.00

Replacement neutral ground strap for padmount transformers.

Dimensions: 0.0315" x 1.50" x 16" long.

For use when padmount transformers are returned from the field in working order, but which need neutral ground straps to replace damaged ones.

Stock Unit: EA

Stock No.: 014931

Power Transformer, Three-Phase — 4273.13

26 400 GrdY/15 242 three-phase, pad-mounted transformer.

This class of transformers is installed on concrete pads and is used to serve industrial customers that require 13 800Y/7970 V service.

Transformers are intended for installation above ground on pads.

Stock Unit: EA

kVA	**Stock No.**
5000	345588
7500	345592
10,000	345594

Power Transformer, Three-Phase 4273.41

26 400 GrdY/15 242 three-phase, pad-mounted transformer.

This class of transformers is installed on concrete pads and is used to serve industrial customers that require 4160Y/2400 V service.

Stock Unit: EA

kVA	Stock No.
5000	345488
7500	345492

Transformer, Distribution Submersible-Type, Single-Phase, Natural Ester Fluid — 4320.00

25564GrdY/14760, Single-Phase, SY-Transformer.

These transformers are commonly used to serve Seattle City Light customers in banked three-phase wye installations. This class of transformers is typically installed in underground vaults. They are designed to be submerged continuously and are used to serve homes and small businesses. These units are the second most common transformer type installed annually in the SCL distribution system.

Stock Unit: EA

kVA	120/240	138.5/277	240/480	Parallel-connected "cut straight" secondary 120/240 cut 120
25	362122	362622	362322	362822
50	362132	362632	362332	362832
75	362134	362634	362334	362834
100	362136	362636	–	362836
167	362142	362642	–	362842

Submersible Distribution Transformer Secondary Lead — 4320.00

Replacement secondary leads for 25kVA–75kVA transformers.

For use when submersible single-phase transformers are returned from the field in working order, but which need secondary leads to replace damaged ones.

Stock Unit: EA

Stock No.	Transformer (kVA)	Cable Size
014258	25	2/0
014259	50	4/0
014260	75	500 kcmil

4 kV, Submersible-Type, Single-Phase, Natural Ester Fluid Distribution Transformers — 4324.00

Single-phase submersible transformers from 50 kVA to 100 kVA.

These transformers are used only for emergency replacements of existing units connected to the aging and shrinking 4kV distribution system. This class of transformers is installed in underground vaults. They are designed to be submerged continuously and are used to serve homes and small businesses.

Stock Unit: EA

kVA	120/240
50	361132
75	361134
100	361136

Transformer, Distribution, Submersible, Three-Phase, Natural Ester Fluid — 4350.00

Three-phase, submersible transformers from 750 kVA to 2500 kVA

Units are sometimes called commercial subsurface or commercial subway (CS) transformers.

This class of transformers is installed in building vaults and below-grade vaults when a customer requires more than 500 kVA of capacity.

For dry building vaults, standard units with copper-bearing steel tanks shall be installed.

For wet below grade vaults, units with 304L stainless steel tanks shall be installed to prevent corrosion. Prior to the introduction of padmount three phase transformers, a submersible three phase unit was sometimes installed on a pad and secured with a fence. A submersible unit on a pad is less desirable as it takes up more space, costs more, and is more difficult to secure.

As of this publication, these units represent a small percent of the transformers installed annually in the SCL distribution system.

Stock Unit: EA

	Low-Voltage, Standard			Low-Voltage, Stainless Steel	
kVA	208Y/120	480Y/277	4160Y/2400	208Y/120	480Y/277
750	364866	364466	364966	365866	365466
1000	364872	364472	364972	365872	365472
1500	–	364476	364976	–	365476
2000	–	364478	364978	–	365478
2500	–	364480	364980	–	–

Network, Three-Phase, Mineral Oil Distribution Transformer 4370.00

These transformers are installed in building vaults when a customer is in a Network area. “S” transformers make up a small percent of the transformers installed annually in the SCL distribution system.

Stock Unit: EA

				Low Voltage	
Stock No.	**kVA**	**High Voltage**	**Type**	**216Y/125**	**480Y/277**
Downtown	500	13 750	DY	386460	386860
"	750	"	DY	386466	386866
"	1000	"	DY	-	386872
"	1500	"	DY	-	386876
"	2000	"	DY	-	386878
"	2500	"	DY	-	386880
	500	26 400	DY	389460	389860
University District	750	"	DY	389466	389866
"	1000	"	DY	-	389872
"	1500	"	DY	-	389876
"	2000	"	DY	-	389878
"	2500	"	DY	-	389880
First Hill	500	26 400GrdY/15 242	Y Y	380560	380160
"	750	"	Y Y	380566	380166
"	1000	"	Y Y	380572	380172
"	1500	"	Y Y	-	380176
"	2000	"	Y Y	-	380178
"	2500	"	Y Y	-	380180

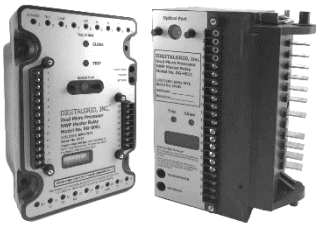
Network Protector Relay Kit 4381.03

Relays are used with other accessories to monitor and control network protectors in the SCL Network system. Relays are supplied in kits, which include the relay and the associated installation materials.

SCL has two styles of network protectors installed in the Network system: Westinghouse and GE. Each requires a unique relay or a transmitter:

Westinghouse-style network protectors include the Eaton CMD, CM22, CM52 and Richards 313NP models.

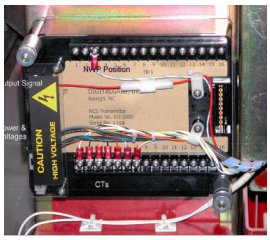
GE-style network protectors include the GE and refurbished Richards models.



Stock Unit: EA

Stock No.	**Description**
013087	Combination relay/transmitter kit for Westinghouse style NP
013502	Combination relay/transmitter kit for GE style NP
013500	Combination relay/transmitter for Westinghouse style NP
013555	Combination relay/transmitter for GE style NP
013501	Smart external cable

Network Protector Transmitter Kit 4381.05



Transmitters are used with other accessories to monitor network protectors in the SCL Network system. Transmitters are supplied in kits which include the transmitter and the required installation material.

SCL has two styles of network protectors installed in the Network system: Westinghouse and GE. Each requires a unique relay or a transmitter:

- Westinghouse-style network protectors include the Eaton CMD, CM22, CM52 and Richards 313NP models.
- GE-style network protectors include the GE and refurbished Richards models.

Stock Unit: EA

Stock No.	Description
012496	Transmitter kit for GE-style NP
012497	Transmitter kit for Westinghouse-style NP
012498	Current transformer kit (3 CTs)
012499	Mounting hardware kit for transmitter in GE-style NP
012500	Mounting hardware kit for transmitter in Westinghouse-style NP
012167	Auxiliary cable harness, for external data inputs
012495	Transmitter, for NP status

Network Protector Remote Monitoring Accessories 4381.07

Used with DigitalGrid network protector relays and transmitters.

Vault Safe Service Mode Indicators (SSMIs) provide a visual indication of whether the DigitalGrid relay safe service mode is enabled or disabled. Indicators also allows manually changing the current state.

Ambient temperature sensors (Stock No. 012122) are used for continual measuring of the temperature within a manhole or vault.

Fluid sensors (Stock No. 012473) detect the existence of liquid within a manhole or vault.

Stock Unit: EA

Stock No.	Description
012122	Ambient Temperature Sensor

012473	Fluid Sensor, for detecting presence of liquid

014661	Vault Safe Service Mode Indicator

015157	Oil Temperature Sensor Installation Kit (includes sensor and stainless-steel reducing bushing)

Network Protector Relay 4381.86

This relay is for older Westinghouse/Eaton style network protectors that have not been upgraded to use network protector relay kits.

Relays are used with other accessories to monitor and control network protectors in the SCL Network system. Network protector relays continually monitor voltage across an open breaker and current through a closed breaker, and perform the following functions:

- The trip contact will close upon balanced fault conditions if the positive sequence power flow is out of the network.
- The close contact will close if the ensuing positive sequence power will be into the network.
- The trip contact will close upon the flow of reverse magnetizing current of its associated transformer.

SCL has two styles of network protectors installed in the Network system: Westinghouse/Eaton and GE. Each requires a unique relay or a transmitter:

- Westinghouse-style network protectors include the Eaton CMD, CM22, CM52 and Richards 313NP models.
- GE-style network protectors include GE and refurbished Richards models.

Stock Unit: EA

Stock No.: 014262

Y-Type Fuse for Network Protectors 4382.16

Network protector fuses are designed to coordinate with the network protector relay and should not blow on a network feeder fault before the relay has time to trip the protector. However, in case the protector fails to open, the fuses must blow in time to prevent transformer damage.

Fuses are made of silver-plated pure copper.

For network protectors with two bolt-fuse mountings.

See NTP-80 for use.

Stock Unit: EA

Stock No.	Fuse Style	Network Protector-Rated Amperes
683471	Y-25	1875

Z-Type Fuse for Network Protectors 4382.16

Made of pure copper with silver plating.

Network protector fuses are used for backup. They are designed to coordinate with the protector relay and should not blow on a network feeder fault before the relays have time to trip the protector.

See NTP-80 for use.

Stock Unit: EA

Stock No.	Fuse Style	Network Protector-Rated Rated Amperes
013857	Z-25	1875
683472	Z-37.5	2825

Lead Alloy Fuse for Network Protectors 4382.16

Laminated type, standard speed for use in 480Y/277 V network protectors.

Network protector fuses are used for backup. They are designed to coordinate with the protector relay and should not blow on a network feeder fault before the relays have time to trip the protector.

Fuses are made of lead alloy.

See NTP-80 for use.

Stock Unit: EA

Stock No.	Network Protector-Rated Amperes
683480	800
683481	1200

Motor Relay Assembly with Bracket 4382.16

For Richards 313 network protectors.

Stock Unit: EA

Stock No.: 014411

Network Protector, 216Y/125 V 4384.80

216Y/125 V, three-phase, submersible, transformer-mounted, roll-out style.

Network protectors are three-phase air circuit breakers installed in network transformer vaults to detect and isolate secondary network faults.

Each network protector is mounted onto the secondary terminals of a network transformer.

Network protectors are controlled both by internally mounted relays and the fire protection system cabinet installed in the vault.

Network protector fuses are designed to coordinate with the network protector relay and should not blow on a network feeder fault before the relay has time to trip the protector. However, in case the protector fails to open, the fuses must blow in time to prevent transformer damage.

See NTP-80 for use.

Stock Unit: EA

Stock No.	Ampere Rating
336205	1875
336207	2825

Network Protector, 480Y/277 V — 4384.80

480Y/277 V, three-phase, submersible, transformer-mounted, dead front, drawout network protector. Includes arc flash mitigation features.

Network protectors are three-phase air circuit breakers installed in network transformer vaults to detect and isolate secondary network faults.

Each network protector is mounted onto the secondary terminals of a network transformer.

Network protectors are controlled both by internally mounted relays and the fire protection system cabinet installed in the vault.

Stock Unit: EA

Stock No.	Ampere Rating
337205	1875
337207	2825
337209	3500
337210	4500

Network Protector Remote Control Box — 4384.80

Network protector remote control box for Eaton CM52 network protectors.

Stock Unit: EA

Stock No.: 013532

Silver Sand Fuse — 4384.80

Silver sand current-limiting fuses for use with Eaton 480Y / 277 V network protectors.

See NTP-80 for use.

Stock Unit: EA

Stock No.	Ampere Rating	Eaton Catalog No.
014085	1875	140D318G01
014086	2825	140D318G02
014087	3500	140D318G08
014088	4500	5982C64G02

480Y/277 V Network Protector Accessories, 480 V Control Power Transformer — 4384.80

480 V control power transformer for Eaton, three-phase, submersible, transformer-mounted, dead front, drawout network protectors.

Stock Unit: EA

Stock No.: 014632

480Y/277 V Network Protector Accessories, Motor and Operator Assembly — 4384.80

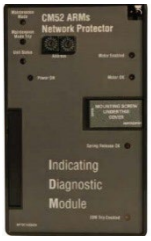
Motor and operator assembly for Eaton, three-phase, submersible, transformer-mounted, dead front, drawout network protectors.

Stock Unit: EA

Stock No.: 014620

480Y/277 V Network Protector Accessories, Indicating Diagnostic Module — 4384.80

Indicating diagnostic module for Eaton, three-phase, submersible, transformer-mounted, dead front, drawout network protectors.

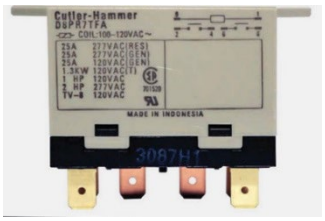


Stock Unit: EA

Stock No.: 014621

480Y/277 V Network Protector Accessories, BF Motor Control Relay — 4384.80

BF motor control relay for Eaton, three-phase, submersible, transformer-mounted, dead front, drawout network protectors.



Stock Unit: EA

Stock No.: 014622

480Y/277 V Network Protector Accessories, BF Relay Anti-Close — 4384.80

BF relay anti-close for Eaton, three-phase, submersible, transformer-mounted, dead front, drawout network protectors.

Stock Unit: EA

Stock No.: 014623

480Y/277 V Network Protector Accessories, Trip Actuator — 4384.80

Trip Actuator for Eaton, three-phase, submersible, transformer-mounted, dead front, drawout network protectors.

Stock Unit: EA

Stock No.: 014624

480Y/277 V Network Protector Accessories, Spring Release, 120 Vac Closing Coil — 4384.80

Spring release, 120 Vac closing coil for Eaton, three-phase, submersible, transformer-mounted, dead front, drawout network protectors.

Stock Unit: EA

Stock No.: 014625

480Y/277 V Network Protector Accessories, Auxiliary Switch 4384.80

Auxiliary switch for Eaton, three-phase, submersible, transformer-mounted, dead front, drawout network protectors.

4 form C, Pos 1 breaker trip and close controls.

Stock Unit: EA

Stock No.: 014626

480Y/277 V Network Protector Accessories, Auxiliary Switch 4384.80

Auxiliary switch for Eaton, three-phase, submersible, transformer-mounted, dead front, drawout network protectors.

4 Form C, Pos 4 indicators.

Stock Unit: EA

Stock No.: 014627

480Y/277 V Network Protector Accessories, Counter Kit 4384.80

Counter kit for Eaton, three-phase, submersible, transformer-mounted, dead front, drawout network protectors.

Stock Unit: EA

Stock No.: 014628

480Y/277 V Network Protector Accessories, LS1 Switch 4384.80

LS1 switch for Eaton, three-phase, submersible, transformer-mounted, dead front, drawout network protectors.

Stock Unit: EA

Stock No.: 014629

480Y/277 V Network Protector Accessories, NP ARMS Kit — 4384.80

NP ARMS kit for Eaton, three-phase, submersible, transformer-mounted, dead front, drawout network protectors.

Stock Unit: EA

Stock No.: 014630

480Y/277 V Network Protector Accessories, NP ARMS Power Supply — 4384.80

NP ARMS power supply for Eaton, three-phase, submersible, transformer-mounted, dead front, drawout network protectors.

Stock Unit: EA

Stock No.: 014631

480Y/277 V Network Protector Accessories, Stack Light — 4384.80

Stack light, 5-color, 71-inch height, PVC pole.

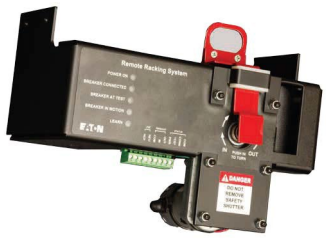
For Eaton, three-phase, submersible, transformer-mounted, dead front, drawout network protectors.

Stock Unit: EA

Stock No.: 014633

480Y/277 V Network Protector Accessories, Remote Racking Device — 4384.80

Remote racking device for Eaton, three-phase, submersible, transformer-mounted, dead front, drawout network protectors.



Stock Unit: EA

Stock No.: 014631

Bus Tie Switch Combination 216Y/125 V – 480Y/277 V — 4388.88

Combination 216Y/125 V – 480Y/277 V, three-phase, submersible, wall-mounted, roll out bus tie switch. Set to trip when connected fire protection cabinet detects excessive heat

Stock Unit: EA

Stock No.	Ampere Rating
335205	1875
335207	2825

Bus Tie Switch, Combination 216Y/125 V – 480Y/277 V, Special Top Bushings — 4388.88

Combination 216Y/125 V – 480Y/277 V, three-phase, submersible, wall-mounted, roll out bus tie switch. Set to trip when connected fire protection cabinet detects excessive heat. Switch includes special top bushings and spades on rear top of the unit for line side connection.

Stock Unit: EA

Stock No.	Ampere Rating
335605	1875
335607	2825

Submersible-Type, Natural Ester Fluid, Specialty Transformer, Single-Phase — 4410.00

Underground, single-phase specialty transformers from 25 kVA to 167 kVA.

This class of transformers is used in network areas and installed in underground vaults. They are designed to be submerged under water continuously and are used to serve existing homes and small businesses whose services still connect at 125/250 V. It is no longer a standard practice to provide 125/250 V service for new buildings. As of this publication, these units represent a small percentage of the transformers installed annually in the SCL distribution system.

Stock Unit: EA

	High Voltage			
kVA	**125/216Y**	**277/480Y**	**Low Voltage**	**Taps**
25	390001	390048	125/250	5
50	390002	390049	125/250	5
75		390050	125/250	5
100	390004	390051	125/250	3
167	390005	390055	125/250	0

Submersible-Type, Natural Ester Fluid, Specialty Transformer, Three-Phase — 4410.00

Underground, three-phase auto-transformers from 30 kVA to 225 kVA.

This class of transformers is used in network areas and installed in underground vaults. They are designed to be submerged under water continuously and are used to serve existing homes and small businesses.

Stock Unit: EA

	High Voltage		
kVA	**480Y/277**	**Low Voltage**	**Taps**
30	391124	216Y/125	5
45	391130	216Y/125	5
75	391134	216Y/125	5
112.5	391138	216Y/125	5
150	391140	216Y/125	5
225	391146	216Y/125	5

Outdoor, Single-Phase, Dry-Type, General Purpose Transformer — 4470.00

Single-phase, dry-type, general purpose transformers up to 10 kVA.

This class of transformers is typically used in vaults and handholes to step down streetlight voltage in order to serve light fixtures and receptacles in those spaces.

These units are also installed in select streetlight bases in order to serve seasonal lighting receptacles.

Stock Unit: EA

Stock No.	kVA	Primary Voltage	Secondary Voltage
687730	0.1	277	120
682608	0.25	240/480	120/240
391286	1.5	277	120
391285	3.0	277	120

Transformer Pressure Relief Valve — 4480.10

Transformer pressure relief valves are used in distribution-class transformers including overhead and padmounted units to release excess pressure within the tank. Excess pressure may build up slowly due to overloads, high ambient temperatures, external secondary faults, or internal incipient faults in the low-voltage or high-voltage windings.

Stock Unit: EA

Stock No.: 294001

Loadbreak Disconnect Switches and Replacement Interrupters — 4501.50

Three-phase, gang-operated.

Overhead distribution switches are mounted on wood poles to break or pick up load, loop, and line charging current on the Seattle City Light 26.4 kV, Looped Radial distribution system.

Interrupter shunt kits are used to upgrade Inertia switches that were not originally provided with an interrupter shunt accessory. Only one kit is required per three-phase switch. Inertia switches purchased after March 2011 are provided with interrupter shunts. This feature improves a switch's operability

Stock Unit: EA

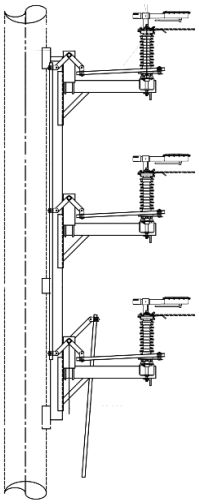
Switch Stock No.	Interrupter Stock No.	Interrupter Shunt Kit Stock No.	Voltage, Nominal (kV)	Continuous Current (A)	Mounting Type
250150	012119	013279	25	600	Horizontal
250151	012119	013279	25	600	Vertical (riser)
250152	012121	013280	25	1200	Horizontal
250153	012121	013280	25	1200	Vertical (riser)

Loadbreak Overhead Distribution Switches, 27 kV, Gang-Operated, Vertical (Tiered Outboard) — 4501.51

Overhead distribution switch, 1200 A continuous current rating. These are mounted on wood poles to break or pick up load, loop, and line charging current on the SCL 26.4 kV, looped radial distribution system.

Vertical (tiered outboard) loadbreak switches are used to replace KPF style switches installed in a triangle configuration in alleys where it is not possible to flat top the wire or the switches without creating a new trespass.

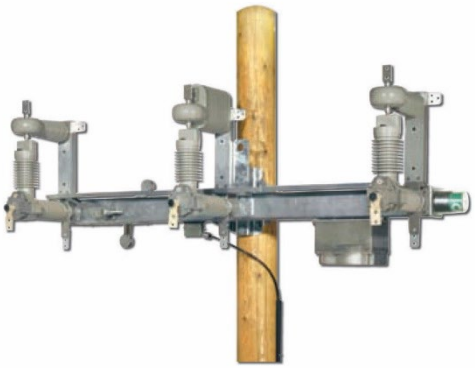
A taller pole will most likely be needed. Lines should deadend on the pole and jumper to the switch terminals.



Stock Unit: EA

Stock No.: 014163

29 kV, Three-Phase, Overhead, SCADA-Controlled Distribution Switching Systems — 4501.55



A complete switching system (at one site) includes two major components: a switch and a control unit that provides an interface between the switch and the master station computer or peer to peer communication with distributed intelligence.

Switches, control units, and control unit batteries are assigned individual stock numbers, and are ordered separately.

Overhead distribution switches are intended for use on three-phase, 26.4 kV, 4-wire, solidly grounded, wye-connected, 60 Hz systems.

Horizontal switches are used for sectionalizing feeders.

Riser-style (vertical) switches are installed on terminal poles.

An S&C Electric Scada-Mate switch with a control unit provisioned with IntelliTeam SG Automatic Restoration System Software makes it possible to isolate a fault and restore service (to all but the faulted section of line) without the intervention of a system dispatcher. Multiple switches are required to create a useful system.

Scada-Mate is a proprietary product of the S&C Electric Co.

For more information, distribution engineers are encouraged to consult the S&C Electric extensive online library.

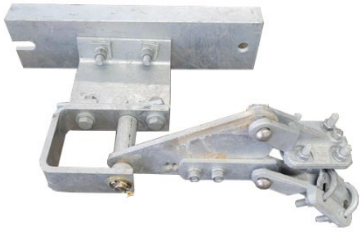
Stock Unit: EA

Stock No.	Description
013874	Switch, horizontal, three-phase voltage sensing on jaw side of switch only
014402	Switch, riser style (vertical), three-phase voltage sensing on hinge (bottom) side and three-phase current-sensing on jaw (top) side of switch
013876	Control unit with IntelliTeam SG Automatic Restoration System Software; three current and three voltage sensing inputs
013875	24 Vdc, 8 Ah battery pack
014564	Ground strap, tin-plated copper, flexible, braided, for disconnect handle

Ground-Level Disconnect Assembly Kits for 29 kV, Three-Phase, Overhead, SCADA-Controlled Distribution Switching Systems

4501.55

Ground-level disconnect assembly kits for vertical and horizontal switches, as well as individual kit items (horizontal kit only).



Stock Unit: EA

COMPLETE KITS

Stock No.	Description
015088	Vertical ground-level disconnect assembly kit for vertical switch (Stock No. 014402)
015087	Horizontal ground-level disconnect assembly kit for horizontal switch (Stock No. 013874)

HORIZONTAL KIT COMPONENTS

Stock No.	Description
015098	Operating handle
254601	Rod guide
254602	Straight coupling
015099	Pipe section (3/4-inch IPS)
015100	Pipe section (3/4-inch IPS)
None	Nameplate
015101	4-40 x 3/16, stainless steel 316 stick screw
None	Instruction sheet
015102	Clevis coupling assembly (3/4-inch IPS)
015103	Pipe section (3/4-inch IPS)
015104	Mounting channel
015105	Channel bracket
015106	Bell crank assembly
015107	Channel washer
015108	1/2-13 x 2 carriage bolt, galvanized
015109	1/2-13 hex nut, galvanized
015110	1/2 lockwasher, galvanized
015111	5/8-11 x 1-1/2 hex head cap screw, 18/8 stainless steel
015112	Cypoxy insulator assembly (3/4-inch IPS)
015113	Fiberglass rod, 82-inch (3/4-inch IPS)

Switchgear, 15.5 kV, Manually Controlled 4501.61

Three-phase, SF6-insulated, multi-purpose.

for use on 13.8 kV, 3-wire delta, 60 Hz, Network systems where the available fault current is less than 25 kA rms symmetrical.

Stock Unit: EA

Stock No.	Description
013384	15.5 kV, two-position, load interrupter switch, 600 A, wet vault
013345	15.5 kV, three-position, load interrupter switch, 600 A, wet vault
013346	15.5 kV, four-position, load interrupter switch, 600 A, wet vault

Switchgear, 29 kV, Three-phase, SF6, Multi-Purpose, Manually Controlled 4501.65

600 A, padmount or wet vault.

This switchgear has a wide variety of applications, features, and options. Engineers are encouraged to review the Material Standard before ordering.

Stock Unit: EA

Stock No	Positions	Style	Special Application
012673	2	Padmount	Large URD transformer protection device
013490	2	Padmount	University Substation
012846	3	Padmount	–
012709	5	Padmount	–
012708	6	Padmount	–
012707	3	Wet vault	–
013347	3	Wet vault	First Hill Network
012748	4	Wet vault	–
012706	5	Wet vault	–
012705	6	Wet vault	–

Switchgear, Distribution, 29 kV, Remote Supervisory (Capable) — 4501.67

600 A, padmount or wet vault, with or without automated switch controls and fiber optic transceiver.

This switchgear has a wide variety of applications, features, and options. Engineers are encouraged to review the material standard before ordering.

*

Stock Unit: EA

Stock No	Positions	Style	Automated Switch Controls and Fiber Optic Transceiver
012711	5	Padmount	Included
013244	5	Padmount	Provision only
012710	6	Padmount	Included
013245	6	Padmount	Provision only
012704	3	Wet vault, pedestal LVE	Included
013246	3	Wet vault, pedestal LVE	Provision only
012885	4	Wet vault, pedestal LVE	Included
013247	4	Wet vault, pedestal LVE	Provision only
012703	5	Wet vault, pedestal LVE	Included
013248	5	Wet vault, pedestal LVE	Provision only
012695	6	Wet vault, pedestal LVE	Included
013249	6	Wet vault, pedestal LVE	Provision only
013725	3	Wet vault, wall-mount LVE	Included
013726	3	Wet vault, wall-mount LVE	Provision only
013727	4	Wet vault, wall-mount LVE	Included
013697	4	Wet vault, wall-mount LVE	Provision only
013728	5	Wet vault, wall-mount LVE	Included
013698	5	Wet vault, wall-mount LVE	Provision only
013729	6	Wet vault, wall-mount LVE	Included
013696	6	Wet vault, wall-mount LVE	Provision only

Accessories, Switchgear, Distribution, 29 kV, Remote Supervisory (Capable) — 4501.67

Accessories for 600 A, padmount or wet vault switchgear, with or without automated switch controls and fiber optic transceiver.

This switchgear has a wide variety of applications, features, and options. Engineers are encouraged to review the material standard before ordering.

*

Stock Unit: EA

Stock No	Description
013348	Portable remote control
013350	50-foot length control cable

Switchgear, 29 kV, Three-phase, SF6, Multi-Purpose, Manually Controlled, 900 A — 4501.75

This switchgear is intended for use on 26.4 kV, 4-wire, three-phase, 60 Hz, solidly grounded, wye-connected systems where the available fault current is less than 25 kA rms symmetrical.

All switches are provided with viewing windows to observe open gaps, ground positions, ground bus, and fault trip indicators (if so equipped).

Stock Unit: EA

Stock No	Description
014983	4-way Vista switchgear
012676	6-way Vista switchgear

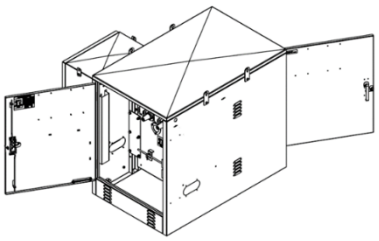
27 kV, Three-Phase, SF6-Free, Two-Way Switchgear and Accessories — 4502.65

This switchgear is intended for use on 26.4 kV, 4-wire, three-phase, 60 Hz, solidly grounded, wye-connected systems where the available fault current is less than 16 kA rms symmetrical.

This switchgear is an equivalent SF6-free alternative to the two-way Vista switchgear, SCL Stock No. 012673.

This switchgear is capable of interrupting faults up to 16 kA rms symmetrical and is used to protect transformers larger than 3 MVA.

The switchgear includes programmable overcurrent protection built into each switch way. The overcurrent protective device detects faults and initiates operation of the interrupting contacts.



Stock Unit: EA

Stock No	# of Ways	Style
014801	2	Padmount

Sectionalizer, Dry Type, Single Phase — 4504.45

Electronic sectionalizer, cutout-mounted resettable, 38 kV, 150 kV BIL, 200 ampere continuous rating, 2 counts, 17″ leakage distance, to fit Stock Nos. 682099 or 013739 C/O. For use on 26 kV systems.

Stock Unit: EA

Stock No.	Description	A. B. Chance/Hubbell Catalog No.
210111	Electronic Sectionalizer, Resettable, 38 kV, 150 kV BIL, 200 Ampere continuous rating, 2 counts, to fit Stock No. 013739 C/O. For use on 26 kV systems.	C740-392T
210115	Replacement actuator for Stock No. 210111.	C700-1729

Switchgear, 27 kV, Three-Phase, Dead-Front, Padmount 4507.80

For use on 27 kV, three phase, 60 Hz, grounded neutral underground distribution systems where the available fault current is less than 25 kA rms symmetrical.

Dead front switchgear is much safer to operate than live front switchgear and should be an engineer's first choice for new installations.

PME type switchgear is manufactured by the S&C Electric Company. PSE type switchgear is manufactured by Federal Pacific Electric. PME and PSE type switchgear are functionally equivalent and interchangeable.

Stock Unit: EA

Stock No.	Type	Fuse Ways	Switch Ways
014805	PME/PSE 9	2	2
014806	PME/PSE 10	0	4
014807	PME/PSE 11	1	3
014808	PME/PSE 12	3	1

Switchgear, Padmount 4507.90

27 kV, three phase, live front, padmount switchgear.

This switchgear is intended for use on 27 kV, three phase, 60 Hz, grounded neutral underground distribution systems where the available fault current is less than 25 kA rms symmetrical.

PMH 5 switchgear is for replacement only. Contact System Planning and Protective Relaying prior to ordering PMH 5 switchgear.

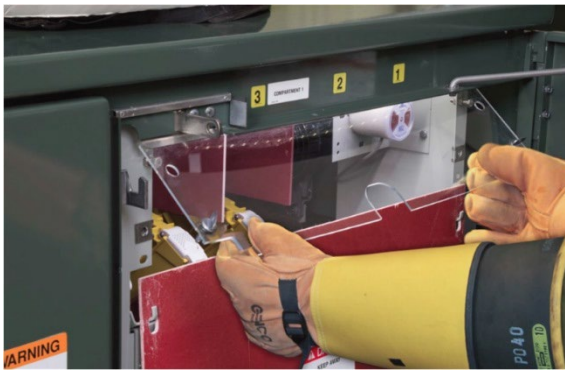
Stock Unit: EA

Stock No.	Switch Type	Description
250195	PMH-5	Two-position, with one fuse and one switch compartment
250190	PMH-9	Four-position, with two fuses and two switch compartments
250192	PMH-10	Four position, with four switch compartments
014292	PMH-11	Four-position, with one fuse and three switch compartments
250191	PMH-12	Four-position, with three fuses and one switch compartment

Padmount PMH Switchgear Parts and Accessories 4507.95

27 kV padmount PMH switchgear parts and accessories are interchangeable between various PMH switchgear styles.

See SCL 1167.21 for a parts cross-reference. See SCL 4507.95 for detailed information on replacement part.



Stock Unit: EA

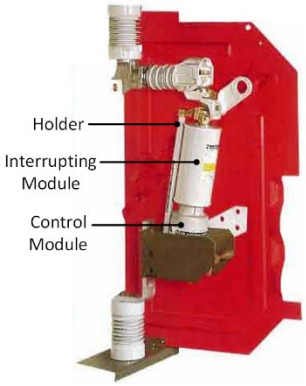
Stock No.	Description
013309	Switch Dual-Purpose Barrier
015011	Switch Dual-Purpose Barrier, Clear, See-Through
013311	Lower Switch Barrier Assembly (Post-2005)
014280	Lower Switch Barrier Assembly (Pre-2005)
013310	Lower Switch Barrier Assembly (Post-2005)
014281	Lower Switch Barrier Assembly (Pre-2005)
013312	Lower Switch End Barrier Assembly (Post-2005)
014282	Lower Switch End Barrier Assembly
014283	Upper Switch End Barrier Assembly
014284	Upper Switch End Barrier Assembly
014285	Upper Switch Interphase Barrier Assembly
014286	Upper Switch Interphase Barrier Assembly
014287	Switch Back Barrier Assembly
014291	Switch Barrier Guide
013263	Barrier Guide
014293	Indoor Insulator 25 kV 125 kV BIL
013267	Fuse Dual-Purpose Barrier
015012	Fuse Dual-Purpose Barrier, Clear, See-Through
013268	Fuse Stiling Barrier Assembly
013264	Fuse Interphase Barrier Assembly
013265	Fuse End Barrier Assembly
013266	Fuse End Barrier Assembly
014289	Fuse Back Barrier
014998	Optional Clip-Style Fuse Holder with Upper Latch-End Adapter

Fault-Fiter Electronic Power Fuses, Padmount PMH Switchgear 4507.95

Parts for S&C Electric Fault Fiter electronic power fuses include an interrupting module, control module, and a disconnect style fuse holder. Parts are rated 29 kV maximum, 150 kV BIL, 600 A continuous, 40 kA interrupting, symmetrical. For more information, refer to S&C Electric Descriptive Bulletin 441-30 or Specification Bulletin 441-31.

In legacy applications, these fuses have been used in conjunction with S&C-type PMH-5 padmount switchgear to protect distribution transformers rated 3 MVA and above. Parts listed in Table 4.3 are for maintenance of existing installations; new installations should utilize multi-purpose, distribution switchgear specified in SCL 4501.65. Obsolete control modules, Stock No. 259443 and 259846, should be replaced with Stock Nos. 259423 and 012682 respectively.

The control module includes a current transformer and electronic circuit which provide source power, current sensing, and electronically determined time-current characteristics for the fuse. The interrupting module carries load current continuously through a main current section and, during a fault condition, transfers current to a circuit-interrupting section in response to a signal from the control module.

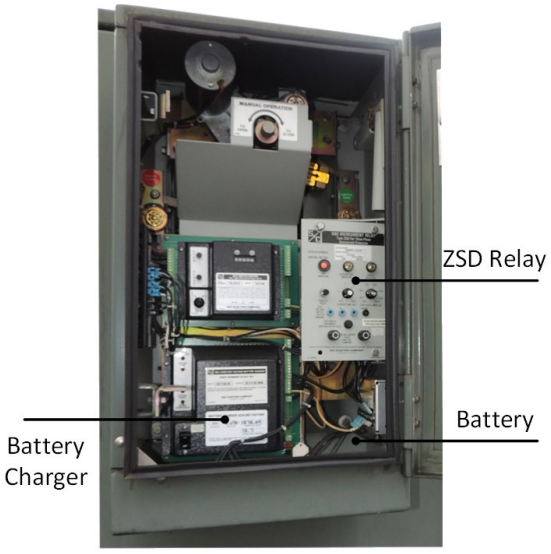


Stock Unit: EA

Stock No.	Description	S&C Catalog No.	Minimum Pickup/ Instantaneous	Short Time Delay Band
259413	Electronic Control Module, 5 MVA Transformer	7010-C40S1T3D8	400/3000	1
259423	Electronic Control Module, 7.5 MVA Transformer	7010-C40S2T3D8	400/3000	2
259426	Electronic Control Module, 10 MVA Transformer	7010-C40S1T6D8	400/6000	2
012682	Electronic Control Module, 15 MVA Transformer	7010-C40S2T6D8	800/6000	2
259500	Interrupting Module	–	–	–
259100	Fault Fiter Holder Assembly	–	–	–

Motor Operator Kit, Padmount PMH Switchgear 4507.95

Remote supervisory PMH-5 switches are equipped with a low-voltage enclosure that contains motor controls and accessories. The motor operator kit (Stock No. 150163) includes a battery pack, charger, ZSD relay, PT, and current sensory assembly. Charger, ZSD relay, and battery may also be ordered separately.

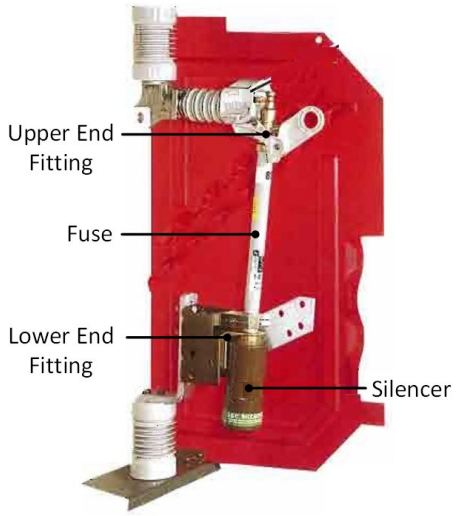


Stock Unit: EA

Stock No.	Description
250163	Motor Operator Kit
013664	Charger
010259	ZSD Relay
014299	12 Vdc Battery for PMH-5

SMU-20 End Fittings and Silencer, Padmount PMH Switchgear — 4507.95

Used with SMU-20 fuses in certain PMH-5 switches.

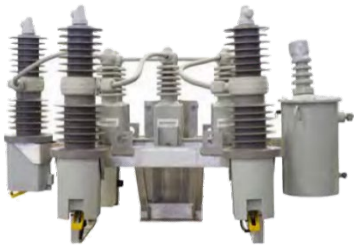


Stock Unit: EA

Stock No.	Description
015159	Upper end fitting
015160	Lower end fitting (with locknut)
682585	Kit containing both end fittings and the silencer

Capacitor Bank — 4509.55

Pole-mounted capacitor bank assembly (rack with switch and capacitor units, without control unit), 1200 kvar (400 kvar per phase). For use on three-phase, 26.4 kV, 4-wire, solidly grounded, wye-connected, 60 Hz systems.



Stock Unit: EA

Stock No.: 014374

Capacitor Bank Control Unit 4509.55

Capacitor bank control unit, 400 kvar.

Stock Unit: EA

Stock No.: 014375

Replacement Capacitor Unit 4509.55

Replacement capacitor unit for capacitor bank (Stock No.014374). Single-phase, two-bushings, rated at 125 kV BIL. Assembled vertically mounted.

Stock Unit: EA

Stock No.: 014376

Kilowatthour Meter, Single-Phase, Solid-State, Electronic 4911.05

Single-phase kilowatthour meters are used to measure and record the electric energy usage of mainly residential and small commercial customers.

Stock Unit: EA

Stock No.	Form Designation	Current Class	Rated Voltage (V)	External Wires	Meter Type
011677	4S	20	240	3	C1SR
011679	2S	200	240	3	C1SR
012413	4S	20	120 to 480	3	kV2c
012432	2S	320	240	3	I-210+
012678	1S	100	120	2	I-210+
012780	3S	20	120 to 480	2	kV2c
400035	2S	200	240	3	I-210+

Kilowatthour Meter, Polyphase, Solid-State, Electronic 4913.05

Polyphase, solid-state, kilowatthour meters are used to measure and record the electric energy usage of commercial and industrial customers.

Stock Unit: EA

Stock No.	Form Designation	Current Class	Rated Voltage (V)	External Wires	Meter Type
012396	9S	20	120 to 480	4	kV2c
012407	16S	200	120 to 480	4	kV2ce
012414	16S	200	120 to 480	4	kV2c
012433	12S	200	120 to 480	3	kV2c
012434	45S	20	120 to 480	3	kV2c
012683	25S	200	120	3	I-210+n
013368	12S	200	120	3	CN1SR

Meter, Advanced Metering Infrastructure Compatible, Solid State, Electronic — 4933.11

Single phase and polyphase Advanced Metering Infrastructure (AMI) compatible meters.

RX, RXe, RXe-SD, RXRe-SD, and S4X meters will communicate with the Seattle City Light AMI network. AXe and AXe-SD meters will not communicate with the AMI network.

Single-phase and polyphase AMI-compatible meters are used to measure and record customer electric energy usage. AMI-compatible meters are used to monitor for abnormal conditions, including voltage or temperature irregularities and full or partial loss of grid power, at the meter base.

Stock Unit: EA

Stock No.	Form	Current Class	Rated Voltage (V)	External Wires	Meter Type	SCL Designation
014586	1S	100	120	2	1PH-120V	AXe
014587	2S	200	240	3	1PH-240V	AXe
014588	2SE	320	240	3	1PH-240V	AXe
014589	3S	20	240	2 or 3	1PH-240V	AXe
014590	4S	20	240	3	1PH-240V	AXe
014591	25S-SD	200	120	3	1PH-120V	AXe-SD
014592	2S	200	240	3	1PH-240V	RXe
014593	2SE	320	240	3	1PH-240V	RXe
014594	4S	20	240	3	1PH-240V	RXe
014595	1S-SD	100	120	2	1PH-120V	RXe-SD
014596	2S-SD	200	240	3	1PH-240V	RXe-SD
014804	2SE-SD	320	240	3	1PH-240V	RXe-SD
014985	25S-SD	200	120	3	1PH-120V NTWK	RXRe-SD
014750	1S	200	120 480	2	1PH 240V OR GREATER	S4X
014751	2S	200	120 480	3	1PH GREATER THAN 240V	S4X
014752	3S	20	120 480	3	1PH GREATER THAN 240V	S4X
014753	4S	20	120 480	3	1PH GREATER THAN 240V	S4X
014754	9S	20	120 480	4	3PH GREATER THAN 240V	S4X
014755	9S KYZ	20	120 480	4	3PH GREATER THAN 240V	S4X
014756	25S	200	120 480	4	3PH GREATER THAN 240V	S4X
014757	16S	200	120 480	4	3PH GREATER THAN 240V	S4X
014758	45S	20	120 480	3	3PH GREATER THAN 240V	S4X

Meter Socket Sealing Ring — 4960.05

Meter socket sealing rings are used to overlap the socket rim and the detachable kilowatthour meter cover ring to hold and provide means for sealing a detachable kilowatthour meter in place.

Stock Unit: EA

Stock No.	Sealing Type	Application
400209	Snap	For residential use to secure electric meters to meter sockets
400210	Barrel Lock	For commercial and industrial use in locations where tampering is suspected or possible

Meter Seals 4960.07

Polypropylene UV inhibitor body; stainless-steel hasp.

Meter seals are used to secure meter enclosures and provide visible evidence of entry into the enclosure by unauthorized personnel.

Purple seals were used for the initial deployment of Automated Metering Infrastructure (AMI) and are no longer installed.

Blue seals are used by crews when they remove or set a meter.

Stock Unit: EA

Stock No.	Description
014305	Purple seal
400301	Blue seal

Meter Socket Covers 4960.09

Meter socket covers are installed on meter sockets to allow viewing, reading, and temporary service.

Stock Unit: EA

Stock No.	Description	
014308	Clear cover with optical port for AX and RX meters	
014309	Clear cover with optical port for S4X meters	
400204	Gray polycarbonate cover	
400310	Clear glass cover	
454331	Temporary restoration cover, connects load to left line leg	
454332	Temporary restoration cover, connects load to right line leg	

Meter Socket Jumper, 200 A — 4960.13

Meter socket jumpers are installed to supply power to a site before an SCL meter has been installed or in cases of an unmetered service.

Rated for 200 A continuous and insulated where not seated in the meter socket.

Stock Unit: EA

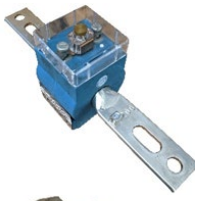
Stock No.: 400372

Metering Transformers 4960.15

Used to measure energy use of larger SCL customers.

Metering transformers are also known as instrument transformers, current transformers, CTs, potential transformers, voltage transformers, or VTs.

Stock Unit: EA

Stock No.	Description	Voltage Class	Ratio	
400620	Current, indoor/outdoor, bar type	600 V	200:5	
400621	Current, indoor/outdoor, bar type	600 V	400:5	
400622	Current, indoor/outdoor, window type	600 V	500:5	
400630	Current, indoor/outdoor, window type	600 V	1500:5	
011905	Voltage, outdoor, no fusing, wound type	25 kV	120:1	
012855	Current, outdoor, wound type	25 kV	50:5	
011907	Current, outdoor, wound type	25 kV	200:5	

Key Lock Box 4960.17

Used to store access keys to a secured building or premise.

Stock Unit: EA

Stock No.	Description	Capacity
400195	Key lock box, deep	10-key

Crossarm, Douglas Fir 5054.10

Pressure treated with copper naphthenate (CuNap) or 4,5-dichloro-2-N-octyl-4-isothiazolin-3-one (DCOI) preservative. For overhead line construction.

Stock Unit: EA

Stock No.	Arm Type	Treatment	Pin Positions	Width (in)	Height (in)	Length (ft)
540205	Primary	CuNap	4-pin	3-1/2	4-1/2	6
014951	Primary	DCOI	4-pin	3-1/2	4-1/2	6
540146	Primary feeder	CuNap	6-pin	4-1/2	5-1/2	10
540220	26 kV	CuNap	6-pin	3-1/2	4-1/2	10
014952	26 kV	DCOI	6-pin	3-1/2	4-1/2	10
540209	Wing	CuNap	9-pin	3-1/2	4-1/2	11
540221	Switch	CuNap	None	4-3/4	5-3/4	12
540014	Alley	CuNap	None	4-3/4	5-3/4	14
540016	Alley	CuNap	None	4-3/4	5-3/4	16
540018	Alley	CuNap	None	4-3/4	5-3/4	18
540022	Alley	CuNap	None	4-3/4	5-3/4	22
541365	H structure brace	CuNap	None	4	12	44

Crossarm, Fiberglass 5055.05

Boron-free continuous glass fiber reinforcement and thermoset resin system; self-extinguishing. Includes a crossarm and mounting bracket. Support braces are not included.

Used to support insulators and conductors on tangent and angle poles in an overhead distribution system.

There are two types of fiberglass tangent crossarms: one for a standard pole top and one for wing arm pole tops.

Stock Unit: EA

Stock No.	Description
014643	Standard crossarm
014644	Wing arm

Deadend Assembly, Fiberglass 5055.10

Consists of a crossarm, mounting bracket with double-guy attachment, and two eye-nuts on the front and back of the crossarm. Can be used in single or double deadend construction of the overhead distribution system.

Stock Unit: EA

Stock No.: 013636

Wood Pole, Western Redcedar (BTC) 5072.00

Butt-treated with copper naphthenate.

Used in single-pole utility structures. These poles are considered to be simple cantilever members subject to traverse loads only. In general, Class 1 poles should be used for any 3-phase construction regardless of wire size and Class 3 poles should be used for single-phase, secondary, streetlight and guy pole construction.

Other pole classes may be required when a pole loading analysis using O-Calc or similar pole loading programs determines a higher class of pole is needed.

35-ft poles have been determined to be redundant with the availability of 30-ft and 40-ft poles, and are therefore no longer necessary

Each pole requires a pole liner. Refer to SCL 5092.00.

Stock Unit: EA

	Stock No.	
Length (ft)	**Class 1**	**Class 3**
30	501030	503030
40	501040	503040
50	501050	–
55	501055	–
60	501060	–

Wood Pole, Pressure-Treated, Douglas Fir 5082.00

Wood poles are used in single-pole utility structures. These poles are considered to be simple cantilever members subject to transverse loads only.

In general, Class 1 poles should be used for any 3-phase construction regardless of wire size and Class 3 poles should be used for single-phase, secondary, streetlight and guy pole construction. Other pole classes may be required when a pole loading analysis determines a higher class of pole is needed.

Stock No. 014534, 45-ft Class 1 pole, will primarily be used for Joint Use construction.

Each pole requires a pole liner. Refer to SCL 5092.00.

Stock Unit: EA

Length (ft)	Class 1	Class H1	Class H2	Class 3
30	012904	–	–	012910
40	012906	–	–	012912
45	014534	–	–	–
50	012907	012436	012449	–
55	012908	012437	012450	–
60	012909	012438	012451	–
65	531065	012439	012452	–
70	531070	012440	012454	–
75	531075	012441	012455	–
80	531080	012442	012456	–
85	531085	012443	012458	–
90	531090	012444	012459	–
95	531095	012445	012460	–
100	531100	012446	012462	–
105	531105	012447	012463	–
110	531110	012448	012464	–

Wood Pole, Pressure-Treated, Douglas Fir, DCOI 5082.05

4,5 dichloro-2-n-octyl-4-izothiazolin-3-one (DCOI), pressure-treated, solid, Douglas fir, wood utility poles.

Wood poles are used in single-pole utility structures. The poles described herein are considered to be simple cantilever members subject to transverse loads only.

In general, Class 1 poles should be used for any 3-phase construction regardless of wire size and Class 3 poles should be used for single-phase, secondary, streetlight and guy pole construction.

Other pole classes may be required when a pole loading analysis determines a higher class of pole is needed.

Stock Unit: EA

Length	Class 1	Class 3	Class H1	Class H2	Class H3	Class H4	Class H5	Class H6
30	014846	014861	–	–	–	–	–	–
40	014847	014862	–	–	–	–	–	–
45	014848	–	–	–	–	–	–	–
50	014605	014712	014713	014875	–	–	–	–
55	014849	–	014863	014876	–	–	–	–
60	014850	–	014864	014877	–	–	–	–
65	014851	–	014865	014878	–	–	–	–
70	014852	–	014866	014879	–	–	–	–
75	014853	–	014867	014880	–	–	–	–
80	014854	–	014868	014881	015125	015132	015142	015149
85	014855	–	014869	014882	015126	015133	015143	015150
90	014856	–	014870	014883	015127	015134	015144	015151
95	014857	–	014871	014884	015128	015135	015145	015152
100	014858	–	014872	014885	015129	015136	015146	015153
105	014859	–	014873	014886	015130	015140	015147	015154
110	014860	–	014874	014887	015131	015141	015148	015155

Pole Reinforcement System 5084.17

Also referred to as pole stays.

Pole banding is used to band multiple poles together or to secure a pole stay to a pole.

Pole stays are used to support or reinforce wood poles. This pole stay is used for 55- and 60-ft class 1 poles only.

Stock No.	Description	Stock Unit
726860	Steel banding, 2" wide	FT
726861	Open crimp seals	EA
563055	Pole stays, 11 ft	EA

Composite Utility Pole, Modular — 5088.14

Composite utility poles are also known as fiberglass or fiber-reinforced-polymer (FRP) poles.

These have at least two particular applications: back lot sites where material and tools must be packed in or where it is not economical to employ a large crane to lift material over a home or other structure; and wetlands or other environmentally sensitive areas where the use of treated wood poles should be avoided.

Engineer should review material standard before ordering.

Stock Unit: EA

Stock No.	Description
013313	30-ft, class H1 assembly
013172	40-ft, class H2 assembly
013173	50-ft, class 1 assembly
013174	55-ft, class 1 assembly
014618	60 ft, class H1 assembly
013175	Jacking lug
013177	Climbing step hole plug
013524	Pole module joining hardware kit
013745	Climbing step with fall arrest
014672	Jacking bar assembly kit
014677	13/16" hole plug (crossarms)
014678	9/16" and 11/16" hole plug (head pins and secondary insulators)

Pole Liner — 5092.00

Laminate of 3 layers: polyethylene, copper foil, and Polyethylene Terephthalate (PET). Black.

For use with self-adhesive silicone tape, as a barrier protection system for wood utility poles.

Stock Unit: RL

Stock No.	Width (in), nominal	Length (ft), nominal
012862	30	8
012863	38	10
012864	38	11
012865	42	13

Self-Adhesive Silicone Tape — 5092.00

For securing copper laminate pole liner to wood utility poles.

Stock Unit: RL

Stock No.	Width (in), nominal	Length (ft), nominal
012940	4	10

Anchor, Cross-Plate 5622.17

Cross-plate anchors are used to create attachment points to the earth, typically for connecting down guys.

Cross-plate anchors are used in areas where the equipment necessary to install screw anchors cannot gain access.

The ultimate holding capacity of an anchor is heavily dependent on soil type and condition.

Cross-plate anchors are made for installation in holes drilled by power diggers. Because the size of the hole does not affect holding capacity, the hole can be dug by the same auger that is used to dig the pole holes on transmission projects.

Cross-plate anchors are installed in a diagonal bored hole which is undercut so the anchor is at right angles to the guy. A rod trench is either cut with a trenching tool or drilled with a small power auger. Both anchor and rod trench should be refilled and tamped.

Stock number does not include rod.

Stock Unit: EA

Stock No.: 562058

Anchor, Plate, Manta Ray 5622.24

Manta Ray anchors are used to create attachment points to the earth, typically for connecting down guys.

The ultimate holding capacity of an anchor is heavily dependent on soil type and condition.

After driving the anchor to the required depth, the driving tool (called drive steel) is removed. The anchor is then tipped and proof tested with a locking kit from its edgewise-driving position to present its bearing area to the soil. This is called "load locking" and provides an immediate proof test of each anchor.

In some applications, Manta Ray anchors are driven into the soil with a 90-lb pavement breaker and coupled drive steel. Pneumatic or hydraulic breakers are acceptable, but a 90-lb weight class breaker is necessary.

Use with round rod extension, Stock No. 562096, and triple eye nut, Stock No. 565274.

Stock Unit: EA

Stock No.: 562050

Helical Anchors and Accessories 5622.33

Single, double and triple helix anchors, square and round rod extensions and other accessories.

Helical anchors are also known as helix or screw anchors. Individual helixes are known as flights.

Helical anchors and accessories are used to create attachment points to the earth, typically for connecting down guys.

The ultimate holding capacity of an anchor is heavily dependent on soil type and condition.

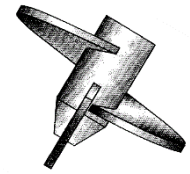
More than 50 years ago, Chance, now a division of Hubbell Power Systems, developed an anchor system called PISA® which stands for power installed screw anchor. Years later, Earth Contact Products developed an equivalent system called PITA, which stands for power installed torque anchor. PISA® and PITA components should be interchangeable.

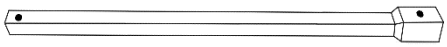
Round rod extension coupling, Stock No. 562110, may be used with single helix or Manta Ray anchors.

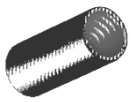
Double and triple helix anchors, Stock No. 012185 and 562043 respectively, are provided with triple eye guy adapters.

Stock Unit: EA

Stock No.	Description	Tensile Strength	Torque Rating (ft-lb)
562028	Anchor, single helix, screw, 12-inch diameter	–	15,000
012185	Anchor, double helix, screw	70,000	7,000
562043	Anchor, triple helix, 84-in lead section with 18-inch, triple eye guy adapter assembly. Helix diameters 10, 12, and 14 inches	70,000	7,000
562102	Rod extension, square, 1-1/2-inch, for double or triple helix, 5-ft length	70,000	
562090	Rod, round, 1-inch, for single helix, 1.5-ft length	36,000	–
562096	Rod, round, 1-inch, for single helix, 3.5-ft length	36,000	–
562110	Coupling, rod extension, rod size 3/4-inch or 1 inch	23,000/ 36,000	
565274	Nut, triple-eye, galvanized	23,000/ 36,000	







Brace, Crossarm, Flat — 5630.12

Used to brace crossarms from tilting, spinning, and for additional physical strength and support.

Product details:

- Made from hot-rolled bar steel
- Hot-dip galvanized
- Dimensions: 32" long with 9/16" holes on both ends

Stock Unit: EA

Stock No.: 563005

Brace, Crossarm — 5630.3

Extruded aluminum, 5 ft nominal length.

Stock Unit: EA

Stock No.: 563013

Brace, Crossarm — 5630.5

Galvanized structural steel.

Stock Unit: EA

Stock No.	Size (ft), nominal
563015	9
012504	12

Brace, Crossarm — 5630.7

Galvanized structural steel.

Stock Unit: EA

Stock No.	Size (in), nominal
563019	72

Strap, Reinforcing, Steel — 5631.05

Reinforcing straps are used to dead end LR brackets that are not mounted onto the face of a wood pole.

Product details:

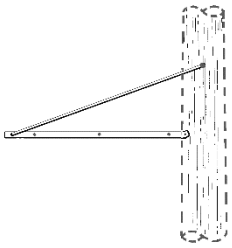
- Made of hot-rolled bar steel
- Hot-dip galvanized
- Dimensions: 1-1/2" x 19" with 5/8" holes

Stock Unit: EA

Stock No.: 583370

Bracket, Communications Cable Attachment 5631.1

Galvanized steel.



Stock Unit: EA

Stock No.: 010408

Bracket, Mounting, Pole-Top Post Insulator 5632.06

Mounting brackets accommodate 34.5 kV post-type insulators; ANSI C27.7 Class 57-2S or 57 12S.

Stock Unit: EA

Stock No.: 563253

Bracket, Mounting, Horizontal Post Insulator 5632.07

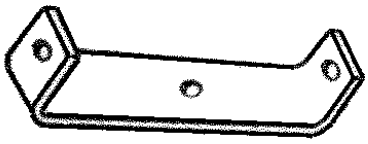
For mounting 34.5 kV horizontal post insulators on wood poles.

Stock Unit: EA

Stock No.: 580510

Adapter, Parallel Feeder Cables to Single Arrester 5632.10

Aluminum plate.

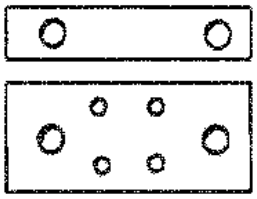


Stock Unit: EA

Stock No.: 563226

Crossarm Mounting Bracket — 5632.11

For contaminated areas.

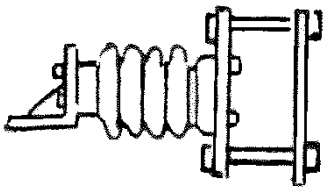


Stock Unit: EA

Stock No.: 563228

Crossarm Mounting Bracket Assembly — 5632.11

Includes Stock No. 563224 (pole mounting bracket with insulation).and Stock No. 563228 (crossarm mounting bracket).

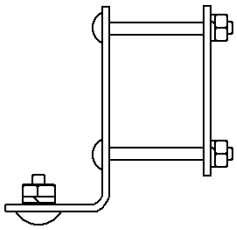


Stock Unit: EA

Stock No.: 563227

Crossarm Mounting Bracket — 5632.12

Fits 5-1/2″ high by 4-1/2″ wide primary feeder arm (Stock No. 540146).
For use with cutout Stock Nos. 013739 and 682047.



Stock Unit: EA

Stock No.: 682097

Bracket, Ground Wire — 5632.14

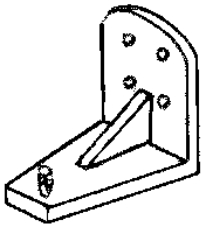
Used for supporting transmission line ground wires on wood poles.
Ductile iron.
Ultimate strength rating: 5000 lb.
Each ground wire bracket is provided with a chain link.

Stock Unit: EA

Stock No.: 565005

Bracket, Cutout Mounting 5632.2

For contaminated areas.



Stock Unit: EA

Stock No.: 563224

Bracket, Pole-Mounting Cutout 5632.3

Made of malleable iron, carbon steel, or ductile iron. Includes an assembled carriage bolt assembly kit. Carriage bolt is oriented upward on the bracket.

Used to mount 26 kV open-type cutouts, with a single 1/2-inch carriage bolt, directly to the pole.

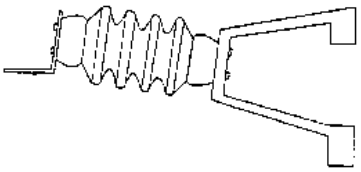
Stock Unit: EA

Stock No.: 563222

Bracket Assembly, Pole Mounted Cutout, Contaminated Areas 5632.4

For contaminated areas.

Includes Stock No. 563224 (pole mounting bracket with insulation).

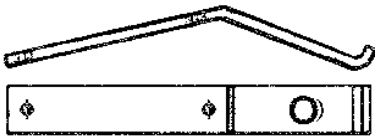


Stock Unit: EA

Stock No.: 563223

Bracket, Number Board Mounting 5632.5

For mounting number boards on switch poles.



Stock Unit: EA

Stock No.: 563225

Bracket, Mounting, Vertical Post Insulator 5632.85

Fits pole diameters from 7-1/2 in to 11 in.

Used for mounting 115 kV post insulators with a 5-inch bolt circle (Stock No. 012383) on wood pole tops.

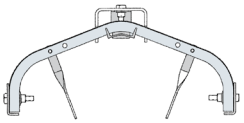
Stock Unit: EA

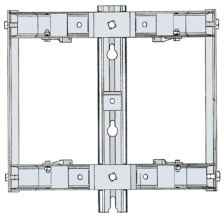
Stock No.: 693017

Three-Transformer Cluster Bracket 5632.90

Brackets are fabricated from steel channel or plate. Steel brackets shall be galvanized after fabrication. Brackets are preassembled with nuts and bolts required to secure the transformers to the brackets.

These are intended for mounting up to a maximum of three, single phase, 250 kVA transformers on a single bracket to a pole. The mount is designed with a 200% safety factor for a total maximum weight of 7500 lb.





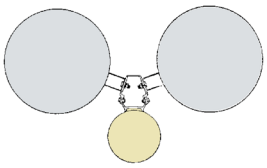
Stock Unit: EA

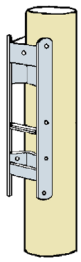
Stock No.	Description
563294	Mounting bracket
563291	Sway brace for 563294
011959	Replacement bolt kit

Two-Transformer Cluster Bracket 5632.91

Brackets are fabricated from steel channel or plate, hot-dipped galvanized per ASTM A153 and include four 3/4-in and two 5/8-in hot-dipped galvanized nuts, bolts, and lock washers for mounting transformers with type "A" or "B" lugs. Also includes one lifting eye.

These brackets are intended for mounting two transformers on a single bracket to a pole. The mount is designed with a 200% safety factor for a total maximum weight of 4000 lb.





Stock Unit: EA

Stock No.: 563295

Pole Bracket, Cable Below — 5633.15

Cable support below termination.

Stock Unit: EA

Stock No.: 563221

Surge Arrester/Cable Termination Mounting Adapter — 5633.17

Used on wing arm termination pole tops. The adapter is used in conjunction with a cutout crossarm bracket to allow for support of both a surge arrester and a cable termination.

Made with 1/4-inch cold rolled plate steel, hot-dip galvanized. Rounded corners.

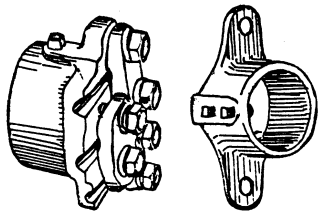
Stock Unit: EA

Stock No.: 720638

Sidewalk Pipe Guy Fittings, Guy Clamp and Pole Plate — 5650.1

Malleable iron.

Used with water pipe, Stock No. 710370.



Stock Unit: EA

Stock No.	Description
565054	Guy clamp
565105	Pole plate

Deadend Guy, Aluminum Automatic Feed-Through 5650.30

Used to deadend 1/4-in through 7/16-in aluminum or galvanized steel guy wire.

Capable of holding a minimum of 90% of the rated strength of the guy wire.

Equipped with a pilot cup to cap the strand and prevent individual strands from splaying during installation.

Stock Unit: EA

Stock No.	Wire Diameter (in)	Bail
565053	1/4	Standard
565048	5/16	Standard
565049	5/16	Extended
012084	3/8	Standard
565051	7/16	Standard
565052	7/16	Extended

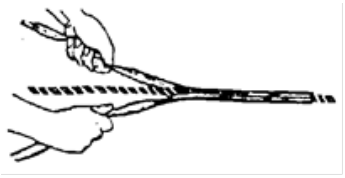
Deadend, Adjustable, Guy, Feed-Thru 5650.35

For terminating aluminum-covered guy wire.

Stock Unit: EA

Stock No.	Wire Size (in)	Bail Length (in)
565055	9/16	17

Guard, Plastic Wire 5651.13



Made of high-strength, high-impact, polyvinyl chloride (PVC) thermoplastic compound.

Used to protect conductors from mechanical abrasion from tree limbs or other obstructions.

Stock Unit: EA

Stock No.	Size (in)	Length (ft)
565180 E	1	6

Guy Hook 5651.22

Also known as goat hooks, goathorns, T-hooks, or integral spur hooks.

Guy hooks are used to attach down or span guys to wood poles.

Down guy hooks are not for use on flat surfaces or fiberglass structures. For fiberglass pole applications, see SCL 5651.28.

Stock Unit: EA

Stock No.	Bolt Diameter (in)	Max. Strand Size (in)	Type	Minimum Strength (45° or 90°)
565195 E	3/4	1/2	Down	18,350
014381 E	3/4	1/2	Span	18,350

Pole Eye Plate for Wood Poles, 3/4-Inch Bolt 5651.24

Used to attach span or down guys to wood poles.

Pole eye plates should not be installed on flat surfaces or fiberglass poles.

Product details:

- Include integral spurs or teeth at the pole contact surface to resist movement
- Made of ductile iron and hot-dip galvanized
- Can accommodate pull-off angles from 0 to 90 degrees

Stock Unit: EA

Stock No.: 565198

Pole Eye Plate for Wood Poles, 1-Inch Bolt 5651.26

Used to attach span or down guys to wood poles.

These pole eye plates should not be installed on flat surfaces or fiberglass poles.

Product details:

- Include integral spurs or teeth at the pole contact surface to resist movement
- Made of ductile iron and hot-dip galvanized
- Be free of gouges, burrs, sharp edges, and sharp corners
- Can accommodate pull-off angles from 0 to 90 degrees

Stock Unit: EA

Stock No.: 565199

Pole Eye Plate for Fiberglass Poles 5651.28

Smooth (toothless), curved pole eye plate. Made of ductile iron and hot-dip galvanized.

Intended for use on fiberglass poles where high-strength interface connections are required for guying and other deadend attachments or assemblies (thimble clevises, insulators, shackles, etc.) Pole eye plates are toothless to prevent damage to the fiberglass pole surface.

This product shall not be used on flat surfaces.

Stock Unit: EA

Stock No.	Working Load at 90 Degrees (lb)	Bolt Size (in)	Pin Size (in)
013862	30,000	13/16 or 7/8	15/16

Grips, Guy Wire, Alumoweld 5651.40

For connecting guy wire to pole anchoring system.

1/4-in guy grips are used to pull in 1/4-in support strand, overhead, fiber optic duct.

Stock Unit: EA

Stock No.	Wire Size (in)	Breaking Strength (lb)
014440	1/4	6,000
565122 E	5/16	10,270
565124 E	7/16	20,000
565126	9/16	34,290

Guy Marker 5651.81

Also known as guy guards, guy markers are used to identify down guys or other wire and cable installations where anchoring devices are exposed to pedestrian and/or vehicular traffic.

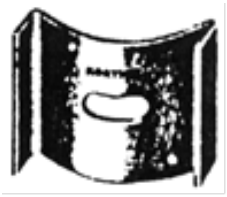
Product details:

- Made of high-impact, rigid polyvinyl chloride compound or UV-stabilized high-density polyethylene
- 8 ft in length, with a minimum outside tube diameter of 1.5 inches
- Yellow color
- Accommodates guy strands to 9/16-inches in diameter and/or anchor rods to one inch in diameter
- Connected using a cable tie
- One-piece design.

Stock Unit: EA

Stock No.: 565168

Pole Gain, Lime 5653.1



Galvanized, 3/16" carbon steel strip.

Stock Unit: EA

Stock No.	Size (in)	Bolt Hole (in)
565313	4 x 5	11/16 x 2

Splice, Automatic, Guy, Full Tension 5653.40

For aluminum covered steel strand.

Stock Unit: EA

Stock No.	Wire Size (in)	Strand Diameter (in)
014441	1/4	.215 to .270
565337	5/16	.270 to .315
565338	7/16	.392 to .455
010699	1/2	.455 to .520

Guy Wire, Aluminum-Covered, Stranded 5664.1

Stock Unit: FT

Stock No.	Diameter (in)	Breaking Strength (lb)	Packaging
566406	5/16 (10M)	10,000	Coil
566407	5/16 (10M)	10,000	Reel
566408	7/16 (20M)	20,000	Coil
566409	7/16 (20M)	20,000	Reel
566410	9/16	34,290	Coil
566425	0.486	22,730	Coil

Dispenser, Guy Wire 5664.21

14-gauge galvanized steel.

Guy wire dispensers are designed to provide safe, easy, completely controlled handling and paying-out of strand coils, including EHS strand. They can also be used with wire, wire rope, cable, conductor, etc.

Stock Unit: EA

Stock No.: 761355

Guy Wire, Iron 5665.12

#9 SWG iron guy wire.

Used for securing new poles to topped poles awaiting communication transfers. #12 SWG iron guy wire is used by the steel shop as ties for rebar and wood used in forms.

Stock Unit: CO

Stock No.	Wire Size (SWG)
566009	9
015032	12.5

Pin, Insulator 5671.1

Forged steel, galvanized. One-inch thread diameter.

Stock Unit: EA

Stock No.	Type
567105 E	Saddleback insulator

Bracket Arm, Aluminum, Luminaire Support 5705.10

For wood poles.

Maximum luminaire weight 50 lb.

Stock Unit: EA

Stock No.	Length (ft)	Rise (in)
570501	3-1/4	12
570502	6	24
570503	8	24
013653	6	48
013654	8	48
570507	10	48

Bracket Arm, Aluminum, Luminaire Support 5705.2

For metal poles.

Maximum luminaire weight 76 lb.

Stock Unit: EA

Stock No.	Length (ft)	Rise (in)
570525	4	30
570526	6	30
570527	8	30
570528	10	30

Bracket Arms, Luminaire Support, for Walls 5705.32

For mounting side-mount luminaires on wall surfaces.

Product details:

- 6061-T6 aluminum mounting plate
- 6063-T6 aluminum arm

Stock Unit: EA

Stock No.	Length (ft)	Rise (in)
570512	3-1/4	12

Bracket, Mounting, Floodlight 5707.15

Mounting brackets are used to support floodlight on poles. Brackets are used where no crossarms are available.

For floodlights, see SCL 5719.20.

Product details:

- Made of A36 steel
- Hot-dipped galvanized
- Include 5/8” x 2” hex head machine bolt, lock washer and hex nut, assembled; threads oriented upward

Stock Unit: EA

Stock No.	Length (in)
568044	20

Arms, Planter Support, Streetlight Pole, Pedestrian 5707.19

Includes two decorative, end-of-arm, cast aluminum balls.

Planter support arms are designed to fit round, fluted, square, and multisided poles, using a central tubing inserted through two opposite 1 3/8-inch holes.

Arms are used to support planters and banners.

Arms shall hold planters or banners at least 8 feet above sidewalk.

Product details:

- Made of steel tube
- 11/16-inch outer diameter
- Secured with stainless steel hardware
- 100-lb weight capacity on each side
- Powder coated and finish color: Textured Black (RAL9005), unless noted otherwise per purchase order

Stock Unit: EA

Stock No.	Length (in)	Description
011972	16	Single arm (SA)
011973	16	Double arm (DA)

Streetlight Luminaires, High Pressure Sodium, Wall-Mount — 5719.15

Not for new construction. For maintenance of existing facilities only.

Wall-mount HPS luminaires are installed in City-designated areas and SCL-designated streetlight districts.

Stock No. 568175 is installed in underpass and tunnel locations.

Manufacturer has discontinued the Versaflood II luminaires. Contact Streetlight Engineering for guidance on replacement options.

All luminaires installed in the Pioneer Square district must be approved by the Pioneer square preservation board.

Alley light luminaires, Stock No. 572387, are used in the Pioneer Square lighting district. These luminaires are fed by either customer panels or the SCL distribution system. Luminaires fed by the SCL distribution system are typically controlled by contactors at ends of alleys. Photocells are not required.

Stock Unit: EA

Stock No.	Description
568175	Wall Mount, Floodlight, Versaflood II
572387	Wall Mount, Alley Light, Downlighting, RLM18

Floodlight, LED — 5719.20

Suitable for replacement of 250- or 400 W high-pressure sodium (HPS) floodlights.

Installed by trunnion mounting onto a floodlight bracket.

Controlled by a 20-year design life streetlight photocontrol, Stock No. 013129 (item ordered separately).

Stock Unit: EA

Stock No.	Description
014454	LED floodlight, bronze
014458	Optional top and side visors, bronze

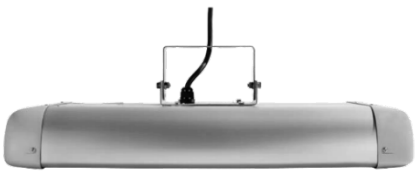
Underdeck Luminaire, LED — 5719.40

LED underdeck luminaires are suspension-mounted, pendant-mounted, or surface-mounted to underdeck structures.

LED underdeck luminaires are suitable for replacing 150-, 250-, or 400-watt high-pressure sodium (HPS) underdeck and hanging lights.

LED underdeck luminaires are controlled by a remotely mounted, 20-year design life streetlight photocontrols specified in SCL 5731.17.

For low-mount underdeck luminaires, see 5719.43.



Stock Unit: EA

Stock No.	Description
014560	Underdeck luminaire, pendant-mount
014561	Underdeck luminaire, U-bracket-mount
014562	Underdeck luminaire, suspension-mount

Underdeck Luminaire, LED, Low-Mount 5719.43

Low-mount LED underdeck luminaires are for shorter underdeck heights (18 ft or lower) where a lower lumen output is desired.

These luminaires are:

- Suspension-mounted, pendant-mounted, or surface-mounted to underdeck structures
- Suitable for replacing 150-watt, 250, or 400-watt high-pressure sodium (HPS) underdeck and hanging lights
- Controlled by a remotely mounted, 20-year design life streetlight photocontrols specified in SCL 5731.17

For regular-mount underdeck luminaires, see 5719.40.

Stock Unit: EA

Stock No.	Description
014964	Underdeck luminaire, low-mount, pendant mount
014965	Underdeck luminaire, low-mount, U bracket mount
014966	Underdeck luminaire, low-mount, suspension mount

Lighting Fixture, Non-Metallic, Vaporproof 5719.60

Used for below-grade electrical vaults where they are subjected to moisture and water infiltration and need to remain functional for long stretches of time without periodic maintenance.

Product details:

- Non-metallic, impact-resistant construction
- (4) 3/4-in threaded hubs
- Mounting feet
- Integral backbox for connecting conduits and routing conductors
- Gasketing to ensure fixture is watertight

Stock Unit: EA

Stock No.: 014552

Arm Assembly, Streetlight Pole, Decorative, Three-Ball, Globe, and Compression Plate 5721.17

Three-ball globe arm assemblies and compression plates are used exclusively with Chief Seattle ornamental steel streetlight poles and globe luminaires and are installed in the following City of Seattle lighting districts: Pioneer Square and Central Business District.

Seattle City Light owns the aluminum, three-ball globe arm assembly casting patterns, which are stored at Travis Pattern & Foundry, Inc.

Assembly is polyester powder-coated Railroad Green.

The compression plate is made of aluminum or hot-dipped galvanized steel and features three 3/4" x 1" slots at 120 degrees and a 4-3/8-inch bolt circle.

Stock Unit: EA

Stock No.	Description
572900	3-ball globe arm assembly
572902	3-ball globe compression plate

Aluminum Streetlight Pole Assembly, Pedestrian, Westlake 5721.30

Westlake streetlight pole assemblies are used primarily in the following downtown corridors: 3rd Ave Transit Corridor, Westlake Park, and Pike and Pine Street Corridor.

Pole assemblies are installed onto 4-bolt, 9-inch bolt-circle streetlight pole foundations, SCL Stock No. 568025. See SCL 5778.20.

A complete streetlight assembly requires one Westlake pole assembly, (Stock No. 573700), two brackets (Stock No. 573703), two saucers (Stock No. 573705), and two 18-inch, LED globe luminaires, Stock No. 014466. See SCL 5724.15.

Mounting height is 12 ft-3 in.

Stock Unit: EA

Stock No.	Description
573700	Westlake pole assembly
573703	Westlake bracket arm
573705	Westlake saucer

Aluminum Streetlight Pole Assembly, Pedestrian, 5th Avenue 5721.40

Pedestrian aluminum streetlight pole assemblies specified in this standard are used along 5th Avenue within the Central Business District as well as in other Seattle historic districts.

Pole assemblies are installed onto 4-bolt, 9-inch bolt-circle streetlight pole foundations, SCL Stock No. 568025. See SCL 5778.20.

Complete streetlight assembly requires one 20-inch, LED globe luminaire, Stock Nos. 014465 or 014941. See SCL 5724.15.

Mounting height is 13 ft.

Stock Unit: EA

Stock No.	Description
573720	Complete welded assembly (minus globe), Railroad Green color
015077	Complete welded assembly (minus globe), Red-Brown color

Lamps, Incandescent 5722.17

Used for general lighting, traffic signals, and switchboards.

Stock Unit: EA

Stock No.	Description	
730530	125 V, 0.142 W, Bulb Shape T-3-1/4, Miniature Bayonet BA9 Base, Clear Quantity Per Carton: 10	
730461	125 V, 6 W, Bulb Shape S-6, Candelabra Screw Base, Night Clear Quantity Per Carton: 48	
730621	130 V, 15 W, Bulb Shape A-15, Medium Base, A-Frost, Exit Light Quantity Per Carton: 120	
730511	125 V, 90 W, Bulb Shape PAR-38, Medium Skirt Base, Halogen Spotlight Quantity Per Carton: 6	
730673	130 V, 100 W, Bulb Shape A-21TS, Medium Base, Clear, Traffic Signal Quantity Per Carton: 120	
730519	125 V, 150 W, Bulb Shape R-40, Medium Base, Reflector Flood Light Quantity Per Carton: 24	
730392	125 V, 250 W, Bulb Shape R-40, Medium Base, Reflector Infrared Quantity Per Carton: 4	
730631	130 V, 350 W, Bulb Shape PS-30 or PS-35, Mogul Base, Frosted Quantity Per Carton: 12	

Lamp, High-Pressure Sodium, Standard Life, Medium Screw Base 5722.20

Standard life, single-ended, single arc tube, high-pressure sodium, streetlight lamps with medium screw bases. Lamps rated 50 watts and above have an average rated life of 24,000 hours. High-pressure sodium (HPS) lamps are a subcategory of high intensity discharge (HID) lamps.

For installation in open or enclosed high-pressure sodium streetlight luminaires with medium screw base lamp holders. Lamps have no restriction on burning position.

Stock Unit: EA

Stock No.	Wattage	Lamp Finish
572270	35	Clear
572220	35	Coated
572225	50	Coated
572230	70	Coated
572232	100	Clear
572233	150	Clear

Lamp, High Pressure Sodium, 30,000 Hour, Mogul Base 5722.45

Extended life, single-ended, single arc tube, high-pressure sodium, streetlight lamps with mogul bases. Average rated life is 30,000 hours. Bulb finish is clear. High pressure sodium (HPS) lamps are a subcategory of high intensity discharge (HID) lamps.

For installation in open or enclosed high-pressure sodium streetlight luminaires with mogul lamp holders. Lamps have no restriction on burning position. Extended life lamps are well suited for group re-lamping.

200W lamps, Stock No. 013017, are used exclusively in the Battery Street Tunnel.

Stock Unit: EA

Stock No.	Wattage
013014	50
013015	70
012743	100
013016	150
013017	200
012744	250
012745	400

Lamp, LED, Medium Base, White Light 5722.81

Single-ended, LED, 120 Volt, white lamp with medium screw base.

For installation in open or enclosed fixtures with medium screw base lamp holders. Suitable for damp locations as well as 130 Vdc station emergency lighting.

Stock Unit: EA

Stock No.	Lumens	Color Type	Incandescent Equivalent (W)
013673	800	2700K, warm white	60
013674	850	5000K, cool white	60
013675	1600	2700K, warm white	100
013676	1675	5000K, cool white	100

Lamp, LED, Medium Base, White Light, Non-Dimmable 5722.83

Used for lighting in-building vaults. Not for use where exposed directly to weather or water.

Installations in enclosed fixtures require a minimum compartment size of 8.5 inches long by 6 inches wide, by 6 inches deep.

Product details:

- E26 medium screw
- Welded lamp base connections
- Instant-on
- Non-dimmable
- Mercury-free
- Shatter-resistant
- UL Listed for installation in damp locations
- Suitable for installation in open fixtures

Stock Unit: EA

Stock No.: 014551

Lamp, LED, Medium Base, Color Light 5722.91

Single-ended, LED, 120 Volt, color lamp with medium screw base.

Red or green LED lamps are installed in open or enclosed fixtures with medium screw base lamp holders. Used as status indicators on vault-installed transformers. Suitable for damp locations.

Stock Unit: EA

Stock No.	Watts	Color	Incandescent Equivalent (W)
013677	3	Red	40
013678	3	Green	40

Pedestrian Luminaire, LED, Post-Top, Neoclassical 5723.02

Luminaires are:

- Installed in the Magnolia Community neighborhood.
- Mounted on (existing) round pedestrian streetlight poles with 4-inch pole-top outer diameters.
- Controlled by 20-year design life streetlight photocontrols as specified in SCL 5731.17.

Luminaire comes with a pre-installed house-side shield.

Installation on existing poles with a 3-inch pole-top outer diameter will require and additional adapter.

Stock Unit: EA

Stock No.	Color
015021	Luminaire, post-top, neoclassical
015022	Adapter for neoclassical, post-top luminaires

Pedestrian Luminaire, LED, Post Top, Gothic 5723.09

Luminaires are:

- Installed in the Mount Baker, Windermere, and Magnolia Community neighborhoods.
- Mounted on (existing) round pedestrian streetlight poles with a 3-inch pole-top outer diameters.
- Controlled by 20-year design life streetlight photocontrols as specified in SCL 5693.10.

Current SCL pedestrian streetlight poles have a 4-inch pole-top outer diameter.

Stock No. 014830 replaces Gothic style 100W HPS pedestrian luminaire Stock No. 572404.

Stock Unit: EA

Stock No.: 014830

Decorative Luminaires, LED, Post-Top, Acorn 5723.11

Classic LED luminaires are:

- Post-top mounted on streetlight poles with a 4-in pole-top outer diameter.
- Equipped with a built-in slipfitter with a tool-less door to house a standard, three-pin photocontrol.
- Controlled by 20-year design life streetlight photocontrols as specified in SCL 5731.17.

Type 5 fixtures should be used in locations where illumination is desired in all directions, for example, wide pathways or plazas.

Stock Unit: EA

Stock No.	Color	Description
015049	Black	Serenade S56 post-top LED luminaire, Type 5, 2700K
015050	Flame red	Serenade S56 post-top LED luminaire, Type 5, 2700K
015051	Dark green	Serenade S56 post-top LED luminaire, Type 5, 2700K

Pedestrian Luminaire, LED, Post-Top, Transitional 5723.15

LED transitional pedestrian luminaires are:

- Post-top mounted on streetlight poles with a 4-in pole-top outer diameter.
- Equipped with built-in photocontrol housing with tool-less access for a standard, three pin photocontrol.
- Controlled by 20-year design life streetlight photocontrols as specified in SCL 5731.17.

Type 2 fixtures produce focused lighting for areas where backlighting should be minimized. For example, type 2 should be used in residential areas where backlighting is a concern.

Type 5 should be used in locations where illumination is desired in all directions, for example, wide pathways or plazas.

Stock Unit: EA

Stock No.	Color	Description
015041	Gray	UrbanScape post-top LED luminaire, Type 2, 2700K
015042	Black	UrbanScape post-top LED luminaire, Type 2, 2700K
015044	Gray	UrbanScape post-top LED luminaire, Type 5, 2700K
015045	Black	UrbanScape post-top LED luminaire, Type 5, 2700K

Pedestrian Luminaire, LED, Post-Top, Traditional 5723.19

Traditional, LED, pedestrian luminaires are:

- Installed in City-designated areas and City Light-designated streetlight districts
- Post-top mounted on streetlight poles with a 4-in pole-top outer diameter

The photocontrol housing for the Promenade (Stock No. 014474) is required for installation with the Promenade post-top LED luminaire (Stock No. 014473).

Stock Unit: EA

Stock No.	Color	Description
014473	Black	Promenade post-top LED luminaire
014474	Black	Photocontrol housing for Promenade

Pedestrian Luminaire, LED, Post-Top, Seaside 5723.21

Seaside, post-top, LED, pedestrian luminaires are:

- Installed in City-designated areas and City Light-designated streetlight districts
- Post-top mounted on streetlight poles with a 4-in pole-top outer diameter

Type 2 fixtures produce focused lighting for areas where backlighting should be minimized. For example, type 2 should be used in residential areas where backlighting is a concern.

Type 5 fixtures should be used in locations where illumination is desired in all directions, for example, wide pathways or plazas.

Stock Unit: EA

Stock No.	Color	Description
015118	Dark green	Marina post-top LED luminaire, Type 2
015119	Jet black	Marina post-top LED luminaire, Type 2
014471	Dark green	Marina post-top LED luminaire, Type 5
014472	Jet black	Marina post-top LED luminaire, Type 5

Decorative Luminaire, LED, Side Mount, Modern, Roadway, Residential, 2700K — 5725.27

Decorative, side-mount, modern, LED, residential roadway luminaires are:

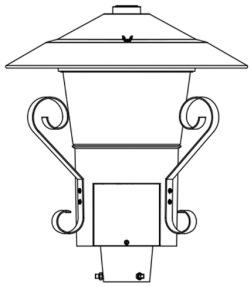
- Installed in City-designated areas and SCL-designated streetlight districts and neighborhoods where a wider lineal distribution of light is intended. The distribution pattern is wider in the front to accommodate wider roadways and the light pattern on the ground is 1.5 times wider than the mounting height of the fixture
- Designed to be side-mounted on 4-inch square poles
- Equipped with built in photocontrol receptacle with tool less access for a standard, three pin photocontrol
- Controlled by 20-year design life streetlight photocontrols (Stock No. 013129)

Luminaires use Stock No. 014969, a field-installable back light shield. Only one shield may be installed on a luminaire.

Stock Unit: EA

Stock No.	Color	Description
014975	Dark bronze	Arieta side-mount LED luminaire, roadway, 2700K
014977	Gray	Arieta side-mount LED luminaire, roadway, 2700K

Pedestrian Luminaires, LED, Post-Top, Contemporary — 5723.27



Luminaires are:

- Installed in the Sandpoint Community neighborhood.
- Post-top mounted on (existing) round pedestrian streetlight poles with a 3-in pole-top outer diameter.
- Controlled by 20-year design life streetlight photocontrols as specified in SCL 5731.17.

Current SCL pedestrian streetlight poles have a 4-inch pole-top outer diameter.

This luminaire replaces the 100 W Styleking HPS-style pedestrian luminaire, Stock No. 572397.

Stock Unit: EA

Stock No.	Description
014810	Contempo, LED, post-top luminaire, dark bronze finish
014963	Contempo, LED, post-top luminaire, gray finish

Pedestrian Luminaire, LED, Post-Top, International — 5723.31

Flame red color, Tudor style with spurs. International, LED, pedestrian luminaires are:

- Only installed on Stock No. 574030, gray fiberglass pedestrian streetlight poles.
- Only installed in the Chinatown-International District (CID), designated a historic district by the City of Seattle.

Stock Unit: EA

Stock No.: 013683

Streetlight Luminaire, LED, Pendant-Mount, Boulevard — 5723.33

80 W streetlight luminaire, LED, pendant-mount.

These luminaires are currently installed along Lake Washington Boulevard in the Washington Park Arboretum. For installation in the Arboretum, use steel pole Stock No. 013464 and steel arm Stock No. 013465. See SCL 5683.01.

Stock Unit: EA

Stock No.: 013526

Streetlight Luminaire, LED, Side-Mount, Residential — 5723.47

24 W, side mount, outdoor type, light emitting diode (LED) streetlight luminaire and accessories.

Mounted on 2-in nominal pipe size (NPS) tenons on poles to provide light to residential neighborhoods. 25-ft mounting height installation.

These streetlights are not intended for installation in bridge and overpass applications.

In 2012, 52 W LED streetlight luminaires replaced less-efficient 70 W units for new construction. In 2013, City Light transitioned to a new 38 W unit, for new construction, and in 2018, transitioned to the 24 W unit.

Stock Unit: EA

Stock No.	Description
014364	Luminaire
014365	House side shield for LED luminaire
014366	Cul de sac shield

Streetlight Luminaire, LED, Side-Mount, Collector Arterial-Grade — 5723.61

Collector arterial-grade, side-mount, outdoor type, principal, light emitting diode (LED) streetlight luminaire. LED luminaires are also known as solid state luminaires.

Collector arterial-grade luminaires consume a maximum 135 W. Specific wattage varies by manufacturer and generation. See the material standard for specific ratings.

Mounted on 2-in nominal pipe size tenons on poles to provide light to arterial roadways as defined by the Seattle Department of Transportation. LED life is greater than 100,000 hours. LED streetlight luminaires are 100% mercury- and lead-free.

Streetlight Engineering must pre-approve all installations of luminaire shields. Contact Streetlight Engineering for details.

Stock Unit: EA

Stock No.: 013492

Shield, LED Luminaire, Streetlight, Side-Mount, Collector Arterial-Grade, Leotek GC1-40 — 5723.61

House side shield for Leotek GC1-40 side-mount collector, arterial grade, LED streetlight luminaires (current generation).

Mitigates house side backlighting issues. Use with luminaire Stock No. 013492. Shields are not interchangeable between manufacturers.

Streetlight Engineering must pre-approve all installations of luminaire shields. Contact Streetlight Engineering for details.

Stock Unit: EA

Stock No.: 013356

Shield, LED Luminaire, Streetlight, Side-Mount, Collector Arterial-Grade, Leotek GC1-60 — 5723.61

House side shield for Leotek GC1-60 side-mount collector, arterial grade, LED streetlight luminaires (previous generation).

Mitigates house side backlighting issues. Use with luminaire Stock No. 013492. Shields are not interchangeable between manufacturers.

Streetlight Engineering must pre-approve all installations of luminaire shields. Contact Streetlight Engineering for details.

Stock Unit: EA

Stock No.: 013494

Shield, LED Luminaire, Streetlight, Side-Mount, Collector Arterial-Grade, Cree — 5723.61

House side shield installed on Cree side-mount collector arterial grade LED streetlight luminaires. Mitigates house side backlighting issues. Use with luminaire Stock No. 013492. Shields are not interchangeable between manufacturers.

Streetlight Engineering must pre-approve all installations of luminaire shields. Contact Streetlight Engineering for details.

Stock Unit: EA

Stock No.: 013493

LED Luminaire, Streetlight, Side-Mount, Principal Arterial-Grade — 5723.71

Principal arterial-grade, side-mount, outdoor type, light emitting diode (LED) streetlight luminaire. LED luminaires are also known as solid state luminaires.

Principal arterial-grade luminaires consume a maximum 195 W. Specific wattage varies by manufacturer and generation. See the material standard for specific ratings.

Mounted on 2-in nominal pipe size tenons on poles to provide light to arterial roadways as defined by the Seattle Department of Transportation. LED life is greater than 100,000 hours. LED streetlight luminaires are 100% mercury- and lead-free.

Streetlight Engineering must pre-approve all installations of luminaire shields. Contact Streetlight Engineering for details.

Stock Unit: EA

Stock No.: 013495

Shield, LED Luminaire, Streetlight, Side-Mount, Principal Arterial-Grade, Leotek — 5723.71

House side shield installed on Leotek side-mount collector arterial-grade principal LED streetlight luminaires. Mitigates house side backlighting issues. Use with luminaire Stock No. 013496. Shields are not interchangeable between manufacturers.

Streetlight Engineering must pre-approve all installations of luminaire shields. Contact Streetlight Engineering for details.

Stock Unit: EA

Stock No.	Description
013895	House-side shield for Leotek GC2-90F luminaire, current generation
013496	House-side shield for Leotek GC2-120 luminaire, previous generation

Streetlight Luminaire, LED, Waterfront, Side-Mount, Roadway — 5723.81

Waterfront Seattle project, main corridor, side-mount, outdoor type, light-emitting-diode (LED) roadway streetlight luminaires and accessories.

Luminaires are:

- Installed only within the boundary of the Waterfront Seattle project as defined by public works contract PW#2018-085.
- Intended for installation in Waterfront Seattle project areas only.

Roadway luminaires use Stock No. 014509 house side shield.

Streetlight Engineering shall pre-approve all installations of luminaire shields. Contact Streetlight Engineering for details.

Stock Unit: EA

Stock No.	Description
014508	Roadway luminaire
014509	House side shield

Streetlight Luminaire, LED, Waterfront, Side-Mount, Cycle-Track — 5723.83

Waterfront Seattle project, main corridor, side-mount, outdoor type, light-emitting-diode (LED) cycle-track streetlight luminaires and accessories.

Luminaires are:

- Installed only within the boundary of the Waterfront Seattle project as defined by public works contract PW#2018-085.
- Intended for installation in Waterfront Seattle cycle track and pedestrian areas only.

Cycle track luminaires use Stock No. 014507 house side shield. See SCL 5723.83.

Streetlight Engineering shall pre-approve all installations of luminaire shields. Contact Streetlight Engineering for details.

Stock Unit: EA

Stock No.	Description
014506	Cycle-track luminaire

Globe Fixture 5724.15

Globe fixtures are used in a variety of locations, including historical districts as well as the Stadium and Mercer areas of the city.

Product details:

- One-piece white opal acrylic head module
- Porcelain lamp socket with 5-in diameter socket holder
- Custom-cast fitter for adapting fixture to SCL fluted steel poles with an 8-inch-wide diameter neck
- Terminal block for line-side connections, for mounting to underside of fitter
- UV stabilized
- IP66 weatherproof protection
- Designed for tool-less installation and maintenance of all chambers
- Rotational locking mechanism for easy lamp replacement
- UL Listed or cUL Listed for wet locations

A conical light deflector (Shield Kit, Stock No. 014461) may be fitted over the internal light socket of the globe fixture to provide for globe illumination uniformity.

Stock Unit: EA

Stock No.	Description
014459	Cyclone globe fixture, 22-in, green
014940	Cyclone globe fixture, 22-in, red-brown
014465	Cyclone globe fixture, 20-in, green
014941	Cyclone globe fixture, 20-in, red-brown
014466	Cyclone globe fixture, 18-in, green
014942	Cyclone globe fixture, 18-in, red-brown
014460	Evluma Omnimax LED lamp
014461	Shield kit

LED Lamp, Mogul Base 5724.15

Used with Cyclone globe fixtures, Stock Nos. 014459, 014465, and 014466.

May also be used in other mogul-base fixtures.

Product details:

- Evluma Omnimax LED lamp
- 70 W, 2.7K CCT
- E39 (mogul) base
- Dimensions: 3.4 in W x 7.3 in H
- UL Recognized

Stock Unit: EA

Stock No.: 014460

Globe, Streetlight, Decorative, Acorn-Shaped 5724.25

Acorn-shaped decorative streetlight globes are typically used with HPS luminaires on bridge columns, such as the McGraw Street Bridge.

Product details:

- Made of clear, high-impact strength polycarbonate
- Shatter proof
- Glasslike appearance
- UV stabilized
- Nominal dimensions:
  - Globe diameter: 15-5/8 inch
  - Globe height: 23-1/4 inch
  - Base diameter: 7-11/16-inch

Stock Unit: EA

Stock No.: 568212

Decorative Luminaire, LED, Post-Top, Classic 5725.15

Decorative LED, post-top, classic luminaires are:

- Post-top mounted on round pedestrian streetlight poles with a 4-in pole top outer diameter as specified in SCL 5752.05.
- Suitable for a 4-inch slipfitter, Stock No. 015072.
- Controlled by 20-year design life streetlight photocontrols as specified in SCL 5731.17.

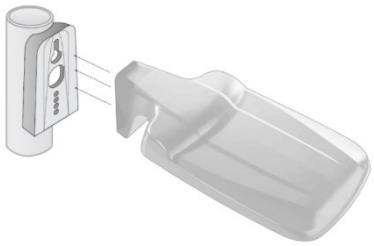
Type 2 fixtures produce focused lighting for areas where backlighting should be minimized. For example, type 2 should be used in residential areas where backlighting is a concern.

Type 5 fixtures should be used in locations where illumination is desired in all directions, for example, wide pathways or plazas.

Stock Unit: EA

Stock No.	Color	Description
015047	Black	K56 Cleveland post top LED luminaire, Type 2, 2700K
015048	Black	K56 Cleveland post top LED luminaire, Type 5, 2700K
014367	n/a	House side shield

Adapters, Round-Pole, Streetlight 5727.03



Round-pole adapters are used to mount flat-bracket luminaires (as specified in SCL 5723.25) to round poles. Adapters are for use on both wood and steel poles.

Stock Unit: EA

Stock No.	Description
014300	Streetlight round-pole adapter, bronze
014301	Streetlight round-pole adapter, gray

Adapters and Slipfitters, Post-Top Luminaire 5727.07

Post-top luminaire adapters are used when a luminaire designed for a 3-inch pole needs to be mounted on a 4-inch pole.

Post-top luminaire slipfitters are used when a luminaire designed for a 4-inch pole needs to be mounted on a 3-inch pole.

Adapters are compatible with all post-top luminaires used in the SCL system except for those described in SCL 5723.31; Pedestrian Luminaires, LED, Post-Top, International.

Stock No. 015071 is for use with gray-finish luminaires.

Stock Unit: EA

Stock No.	Description
015070	Adapter, 4" pole to 3" luminaire, black finish
015071	Adapter, 4" pole to 3" luminaire, no finish
015072	Slipfitter, 3" pole to 4" luminaire, no finish

Shield, Luminaire, Back Light 5728.04

Cast aluminum. Field-installable.

Back light shields are installed on LED streetlight luminaires are specified in SCL 5725.27 to cut light off at 1/2 mounting height behind luminaire.

One shield per luminaire.

Streetlight Engineering must pre-approve all installations of luminaire shields. Contact Streetlight Engineering for details.

Stock Unit: EA

Stock No.: 014969

Streetlight Photocontrol, Button Type, Flush-Mount 5730.35

Streetlight photocontrols are used as light-sensing switches to control luminares. Photocontrols are designed to switch lamps off during the day and switch lamps on at night.

Streetlight photocontrols are intended for use with High Pressure Sodium (HPS) residential streetlight luminaires. Photocontrols are also capable of switching High Intensity Discharge (HID), fluorescent, and incandescent lamps.

Stock Unit: EA

Stock No.: 569336

Photoelectric Control, Standard Life 5731.12

Photocontrols are used as light-sensing switches to control luminaries. Photocontrols are designed to switch lamps off during the day and switch lamps on at night.

For light-emitting-diode (LED) style streetlight luminaires, use 20-year design life photocontrols, Stock No. 013129.

Product details:

- Blue body
- Operating voltage 105 to 305 Vac
- Load rating, incandescent lamp, minimum, watts 1000
- Load rating, high-intensity discharge (HID), minimum, VA 1800
- Failure mode: fail on

Photocontrols are used as light-sensing switches to control luminaries.

Blue

Stock Unit: EA

Stock No.: 569333

Shorting Cap 5731.12

For NEMA twist-lock receptacles on luminaires.

A shorting cap is installed in place of a photocontrol when a lamp is needed to stay on 24 hours a day.

Stock Unit: EA

Stock No.: 569334

Non-Shorting Cap 5731.12

For NEMA twist-lock receptacles on luminaires.

A non-shorting cap is installed in place of a photocontrol in scenarios where lights need to be off 24 hours a day.

Stock Unit: EA

Stock No.: 015052

Photoelectric Control, 20-Year Design 5731.17

Black

Photocontrols are used as light-sensing switches to control luminaries. Twenty-year design life photocontrols are intended for use with light-emitting-diode (LED) style streetlight luminaires.

Twenty-year design life photocontrols are technically compatible with standard high-pressure sodium (HPS) luminaires, but due to their relatively high initial material cost and long life, are considered a poor match for that application.

Product details:

- Black body
- Operating voltage 105 to 305 Vac
- Load rating, LED, minimum, watts 1000
- Load rating, incandescent lamp, minimum, watts 1000
- Load rating, high-intensity discharge (HID), minimum, VA 1800
- Failure mode: fail on

Stock Unit: EA

Stock No.: 013129

Photocontrol Receptacle with Mounting Bracket 5731.22

Photocontrol receptacles provide the connector interface for locking-type photocontrols.

Photocontrol receptacles, in conjunction with photocontrols, are used as light-sensing switches to control the lighting contactor controller (Stock No. 012776; SCL 5732.03).

Brackets are intended to be attached to the vertical surface of either crossarms, and wood or metal poles.

The product is not intended for use as a luminaire photocell receptacle in the SCL system.

Stock Unit: EA

Stock No.: 568046

Streetlight Power Tap Adapter 5731.45

Streetlight power tap adapters provide temporary overhead power to normally underground-fed streetlights. In these situations, the underground system has failed, and the streetlight must be restored immediately. Temporary overhead power is provided until the underground system can be repaired.

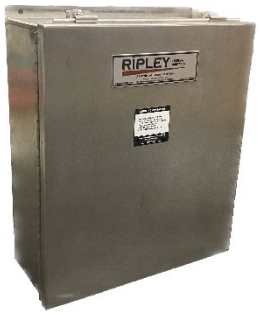
Power tap adapters are installed between the photocontrol or shorting cap and the receptacle on the luminaire, which allows for the provision of constant 120 Vac power without tampering with the existing pole, arm, and/or luminaire.

Applications other than providing temporary overhead power to streetlights require approval from Streetlight Engineering.

Stock Unit: EA

Stock No.	Description
014057	Streetlight power tap adapter, 8-ft cable
015001	Streetlight power tap adapter, 20-ft cable

Lighting Contactor Controllers and Mounting Kit 5732.03



Contactor controllers allow control of multiple streetlights with a single streetlight photocontrol. The number of streetlights capable of being controlled is limited by the load rating of the contactor. Photocontrol unit, Stock No. 013129, is wired remotely from the contactor.

Product details:

- Circuit breaker located on the supply (line) side of the contactor controller
- Normally open contact type
- Multi-voltage selector switch that allows for 120/208/240 or 277/480 configurations
- MOV (metal oxide varistor) surge protection device
- Hand-off-auto switch
- Steel NEMA 4X weatherproof cabinet enclosure, fabricated from type 304 or 316 stainless steel, with mounting tabs on top and bottom and a ground lug

Stock Unit: EA

Stock No.	Description
012776	Lighting contactor controller, 100 A, 3-pole
015055	Lighting contactor controller, 60 A, 2-pole
015056	Lighting contactor controller, 30 A, 2-pole
015057	Pole-mounting kit with bracket

Streetlight Pole, Roadway, Aluminum, Round, Anchor Base Type, Arterial 5750.03

For use on arterial roadways for mounting arterial-grade luminaires. Arterial roadways are classified by Seattle Department of Transportation (SDOT).

Arterial streetlight pole replaces Stock Nos. 573977, 573978, 573979, 573981 and 573985.

Stock Unit: EA

Stock No.	Mounting Height (ft)	Length (ft)	Bolt Circle (in)	Bolts	Arm Type
573986	35	33	11-1/2	4	Mast

Streetlight Pole, Roadway, Aluminum, Round, Anchor Base Type, Residential 5750.03

For use on residential roadways for mounting residential-grade luminaires. Residential roadways are classified by SDOT. Installed on a pre-cast concrete foundation with a bracket arm and an end-mounted, cobra head-style luminaire.

Stock Unit: EA

Stock No.	Mounting Height (ft)	Length (ft)	Bolt Circle (in)	Bolts	Color or Finish
573984	25	23	11-1/2	4	Satin Aluminum

Streetlight Pole, Pedestrian, Aluminum, Round, Anchor Base Type 5752.05

Round pedestrian streetlight poles are used to support post-top style luminaires with a nominal inner diameter opening of 4 inches.

Round pedestrian streetlight poles are installed onto 4 bolt, 9-inch bolt-circle streetlight pole foundations, Stock No. 568025.

Hinged-base poles, Stock No. 014273, are intended for installation on stairways with steep inclines.

As of 2017, poles with 3-in pole top diameters are obsolete. These include Stock Nos. 013409, 013410, 013411, and 013412.

Stock Unit: EA

Stock No.	Mounting Height (ft)	Color	Base
014270	14	Satin Al	Fixed
014271	20	Satin Al	Fixed
014272	20	Black	Fixed
014273	14	Satin Al	Hinged

Streetlight Pole, Pedestrian, Aluminum, Square, Anchor Base Type 5754.07

Installed in various locations to provide light to roadways and walkways.

In 2013, the City of Seattle standardized square pedestrian streetlight pole material standards to be installed on 4-bolt anchor bases. These replace Stock Nos. 573818, 573820, 573822, 573972, 573989 and 573991.

Stock No. 013420 is used for areas inaccessible by vehicle. Stock No. 013419 is used only for King County Metro RapidRide D-Line bus stop locations.

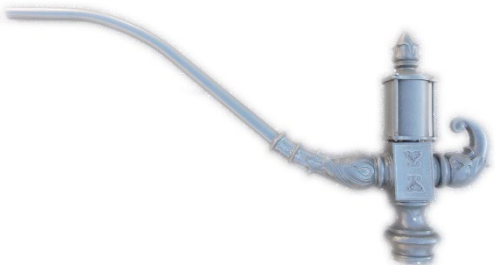
Stock Unit: EA

Stock No.	Mounting Height (ft)	Dimensions	Base	Finish
013417	16	16 ft x 4 in x 4 in	Fixed	Dark Bronze
013418	20	20 ft x 4 in x 4 in	Fixed	Dark Bronze
013419	14	16 ft x 4 in x 4 in	Fixed	Light Gray
013420	14	14 ft x 4 in x 4 in	Hinged	Dark Bronze

Arm Assembly, Decorative, Aladdin 5755.05

Cast aluminum, powder coated. Aladdin arm assemblies are used in the following City of Seattle lighting districts: Pioneer Square, Central Business District, Westlake Avenue and Mercer Corridor.

Aladdin arm assemblies are used with Chief Seattle ornamental steel streetlight poles. See SCL 5756.22.



Stock Unit: EA

Stock No.	Description
012771	Aladdin Decorative Arm, 6-ft
013536	Aladdin Decorative Arm, 8-ft

Bolt, Anchor, Bent, Galvanized, Assembly 5756.03

1 in x 36 in x 4 in with two heavy hex nuts, two flat washers and one lock washer.

Anchor bolt assemblies are used with poured-in-place, streetlight pole foundations.

When correctly installed, five inches of threaded anchor bolt will protrude above the finished concrete foundation.

Stock Unit: EA

Stock No.: 568058

Streetlight Pole, Aluminum, Decorative, Anchor-Base Type 5756.09

Aluminum, decorative, anchor-base type streetlight pole with a 4-inch outer diameter. Pole is:

- Powder-coated to match the color of the streetlight luminaire installed on pole, which varies by installation location. Color is specified by Streetlight Engineer.
- Installed onto a 4-bolt, 9-inch bolt-circle streetlight pole foundation, SCL Stock No. 568025.
- Installed with a decorative base, which is ordered separately. Decorative base shall match the finish of the pole.

Stock Unit: EA

Stock No.	Description	Color
013422	Pole, 14-ft mounting height, fluted shaft	Black
013423	Pole, 14-ft mounting height, fluted shaft	Light gray
013424	Pole, 14-ft mounting height, fluted shaft	Dark green
014679	Pole, 14-ft mounting height, fluted shaft	Red
013425	Pole, 14-ft mounting height, round shaft	Black
013426	Pole, 14-ft mounting height, round shaft	Light gray
013427	Pole, 14-ft mounting height, round shaft	Dark green
014680	Pole, 14 ft mounting height, round shaft	Red

Base Cover, Decorative Aluminum Streetlight, Short Shroud 5756.09

Required for installation with 4-inch outer diameter decorative aluminum streetlight poles.

Stock Unit: EA

Stock No.	Description	Color
014248	Base cover, short shroud	Black
014249	Base cover, short shroud	Light gray
014250	Base cover, short shroud	Dark green
014682	Base cover, short shroud	Red

Base Cover, Decorative Aluminum Streetlight, Tall Shroud 5756.09

Required for installation with 4-inch outer diameter decorative aluminum streetlight poles.

Stock Unit: EA

Stock No.	Description	Color
014251	Base cover, tall shroud	Black
014252	Base cover, tall shroud	Light gray
014253	Base cover, tall shroud	Dark green
014681	Base cover, tall shroud	Red

Steel Streetlight Pole and Arm Assemblies, Boulevard 5756.15

Steel streetlight pole and arm assemblies used exclusively by the Seattle Parks and Recreation along Lake Washington Boulevard in the Arboretum.

Steel streetlight poles are only used to support Stock No. 013526, 80-watt Domus LED in black.

Steel streetlight pole and arm assemblies are special ordered.

Steel streetlight pole and arm assemblies are owned by the Seattle Parks and Recreation and maintained by Seattle City Light.

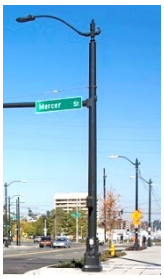
Steel streetlight pole and arm assemblies are installed to achieve a mounting height of 22 feet, nominal.

Steel streetlight pole and arm assemblies are installed onto 4-bolt, 11-1/2-inch bolt circle streetlight pole foundations, Stock No. 568028.

Stock Unit: EA

Stock No.	Description	Color
013464	21-1/2 ft, tapered steel pole	Black
013465	4-ft span, 1-ft rise tapered steel arm	Black

Steel Streetlight Poles, Ornamental, Chief Seattle 5756.22



Steel streetlight poles consist of a tapered, galvanized steel shaft welded to a steel base and a pole top plate.

Used in the following City of Seattle established lighting districts: Pioneer Square, Central Business District, Westlake Avenue and Mercer Corridor.

Steel streetlight poles are use with Chief Seattle decorative collars and bases (see SCL 5780.33 and 5780.44).

Stock No. 569518 is used with 3- ball globe fixtures (see SCL 5721.17).

Stock Nos. 569530 and 569531 are used with either 6-ft or 8 ft Aladdin arm assemblies (see SCL 5755.05).

Stock Unit: EA

Stock No.	Description	Color
569518	18 ft, 12 sided	Railroad Green
569530	26 ft, 12 sided	Railroad Green
569531	31 ft, 12 sided	Railroad Green

Steel Streetlight Poles and Arm Assemblies, Waterfront 5756.27

Steel streetlight poles and arm assemblies used exclusively by the Waterfront Seattle Project as defined by public works contract PW#2018-085.

Waterfront streetlight poles and arm assemblies shall be used with appropriate luminaires and installed on appropriate streetlight foundations. See material standard for more information.

Stock Unit: EA

Stock No.	Description
014510	Steel streetlight pole, gray, 15-ft mounting height (cycle track)
014511	Steel streetlight pole, gray, 33-ft mounting height (roadway)
014512	Steel streetlight pole, gray, tandem mount, 33 ft and 15 ft mounting heights
014513	Bracket arm assembly, 4 ft, cycle track pole
014514	Bracket arm assembly, 4 ft, roadway pole
014515	Bracket arm assembly, 6 ft, roadway pole
014516	Bracket arm assembly, 10 ft, roadway pole

Concrete Pole 5758.11

Installed in designated locations. Contact Streetlight Engineering for details.
Used to support pedestrian streetlight luminaires with a minimum diameter opening of 3-1/2 inches. Direct-buried in the ground.

Stock Unit: EA

Stock No.	Mounting Height	Length	Top Diameter, Nominal	Color	Finish
574003	16 ft-6 in	20 ft	3-1/2 in	Green	Natural sand blasted
574004	20 ft	23 ft-7 in	3-1/2 in	Gray	Natural sand blasted
574010	16 ft-5 in	20 ft	3-1/2 in	White	Polished terrazzo

Fiberglass Pole 5760.13

For use in the Chinatown-International District (CID), designated an historic district by the City of Seattle.

Supplied with an ornamental base cover in Thermal Red. Used in conjunction with Stock No. 572660, K56 Tudor luminaire in Thermal Red. Installed onto a 4-bolt, 9-in bolt circle streetlight pole foundation, Stock No. 568025.

Shall be designed with a minimum safety factor of 2:1 and have no more than a 10% deflection at full wind loading.

Stock Unit: EA

Stock No.	Mounting Height	Length	Bolt Circle	Bolts	Top Diameter	Color or Finish
574030	12 ft	11 ft-6 in	9 in	4	3 in	Pole: Gray Base: Thermal Red

Access Hole Covers, Tamper-Proof, for Streetlight Poles 5760.17

Tamper-proof access hole covers add extra security to streetlight pole access holes by making them very difficult to remove without a specialized tool.

This product is considered tamper-proof because the sale and distribution of the removal tool is completely controlled by the manufacturer.

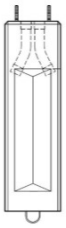
This product fits steel pole access hole openings up to 5" W x 10" H.

Stock Unit: EA

Stock No.	Description
014844	Access hole cover, tamper-proof (in)
014845	Tool, Installation, 6-lobe socket

Foundation, Precast Concrete, Residential 5778.20

Precast concrete footings are used as an alternative to poured-in-place footings, allowing for immediate foundation systems for at-grade and above-grade applications.

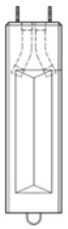


Stock Unit: EA

Stock No.	No. of Bolts	Bolt Diameter (in)	Bolt Circle Diameter (in)	Bolt Projection (in)
568025	4	3/4	9	4

Foundation, Precast Concrete, Arterial 5778.40

Precast concrete footings are used as an alternative to poured-in-place footings, allowing for immediate foundation systems for at-grade and above-grade applications.



Stock Unit: EA

Stock No.	No. of Bolts	Bolt Diameter (in)	Bolt Circle Diameter (in)	Bolt Projection (in)
568028	4	1	11-1/2	4

Cast Aluminum Streetlight Base and Collar Assemblies 5780.33

Also known as historic, ornamental, or Chief Seattle bases. Bases are used to support and decorate streetlight poles in City-designated historic areas and City Light-designated streetlight districts, including the International District, Westlake, and the 5th Avenue central business district.

Casting patterns are the property of Seattle City Light.

Stock Unit: EA

Stock No.	Description
568031	Base assembly with access door and four medallions (two fish, two Chief Seattle)
568033	Collar assembly, 10-inch diameter
568039	Collar assembly, 12-inch diameter
568114	Access door (if ordered separately)
015030	Replacement medallion, Chief Seattle design, cast aluminum (if ordered separately)
015031	Replacement medallion, fish design, cast aluminum (if ordered separately

Cast Bronze Streetlight Base and Collar Assemblies 5780.44

Also known as historic, ornamental, or Chief Seattle bases. Cast bronze versions are used to support and decorate streetlight poles in the City Light-designated streetlight district of Pioneer Square.

Casting patterns are the property of Seattle City Light.

Stock Unit: EA

Stock No.	Description
568030	Base assembly with access door and four medallions (two fish, two Chief Seattle)
568032	Collar assembly, 10-inch diameter
012474	Collar assembly, 12-inch diameter
568116	Access door (if ordered separately)
015028	Replacement medallion, Chief Seattle design, cast bronze (if ordered separately)
015029	Replacement medallion, fish design, cast bronze (if ordered separately)

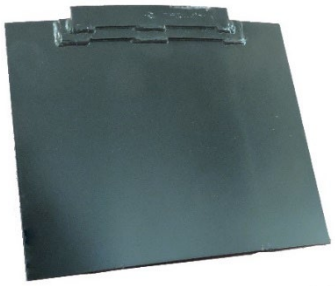
Access Door, Steel, Chief Seattle Streetlight Base 5780.51

Railroad Green. Used to replace missing access doors from cast aluminum or bronze Chief Seattle streetlight bases. These doors fit all styles of Chief Seattle streetlight bases.

Screw holes will be field drilled to match hole pattern on the existing base.

Product details:

- Made of 14-gauge steel
- Nominal dimensions of 12-3/8 in wide by 10-1/4 in high
- Rolled with 38-in radius
- Two flat bars welded on the convex side:
  - Top flat bar 1 in by 8 in by 1/8 in
  - Bottom flat bar 1 in by 9 in by 1/8 in

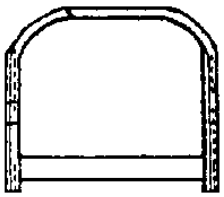


Stock Unit: EA

Stock No.: 014373

Bracket Extension 5805.10

Bracket extension with reinforcing rod. For secondary racks.

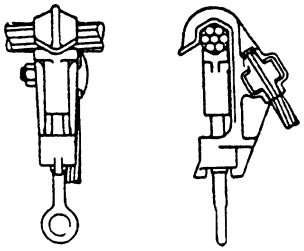


Stock Unit: EA

Stock No.: 580505 E

Clamp, Hot Line Tap, Copper 5807.1

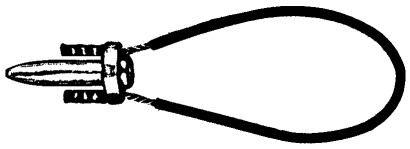
Used to attach branch conductors to main conductors by means of an insulated hotstick.



Stock Unit: EA

	Conductor Range (AWG or kcmil)	
Stock No.	**Run**	**Tap**
580725 E	#8 Sol. To 2/0	#8 Sol. to 2/0
580727	#6 to 400	#6 Sol. to 4/0

Deadend, Cu, Automatic, With Neoprene-Coated Bail 5813.1



Stock Unit: EA

	Cu Wire Size (AWG)		
Stock No.	**Solid**	**Stranded**	**Breaking Strength (lb)**
581308 E	#4	#6	6000
581310 E	#2	#3	6000
581315 E	#2/0	#1/0	6000
581320 E	#3/0	#2/0	7,400
012509 E	–	#4/0	12,600

Deadend, Cu, Automatic Feed-Through 5813.2

Stock Unit: EA

	Cu Wire Size (AWG)	
Stock No.	**Solid**	**Stranded**
581332 E	#4	–
581333	#2	–
581334	–	#2/0
581335	–	#4/0
581337	–	300 kcmil

Clamp, Neutral Service Wedge 5813.30

Used to deadend bare ACSR neutral messenger of service drop wire.

Stock Unit: EA

	Wire Size (AWG)		
Stock No.	**Solid**	**Stranded**	**Bail Length (in)**
581340 E	#2	#6	12
581342 E	#1/0	#4	12
581344 E	#4/0	#2/0	12

Grip, Deadend, Service, Bare, ACSR 5813.35

Used to connect ACSR overhead service drop neutrals to poles using an LR bracket.

Stock No. 565142 is for use on bare 4/0 triplex with 2/0 ACSR neutral wire (Stock No. 600669).

Stock No. 565143 is for use on bare 4/0 quadruplex with 4/0 ACSR neutral wire (Stock No. 600738).

Stock Unit: EA

Stock No.	**Size**	**Conductor Diameter Range (in)**	**Applied Length (in)**
565142	2/0	0.41-0.45	21
565143	4/0	0.52-0.56	26

Grip, Deadend, Service, Covered 5813.37

Used to connect covered service drop neutrals to poles using an LR bracket.

For use on covered 4/0 AWG neutral wire (Stock No. 600318).

Manufactured from aluminum alloy wire.

Color-coded red.

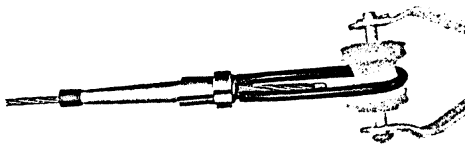
Grips accommodate the conductor diameter range 0.609–0.648 inches and are 33 inches in length.

Grip legs are gritted and neoprene dipped.

Stock Unit: EA

Stock No. 565132

Deadend, ASCR, Automatic, With Coated Bail 5813.4

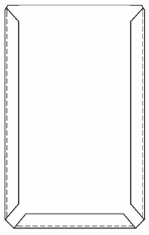


Used to deadend the neutral messengers of triplex and quadruplex secondaries.

Stock Unit: EA

Stock No.	Wire Size (AWG or kcmil)	Bail Strands
581301 E	#2	7
581302 E	#1/0	19
581303 E	#2/0	19
581304 E	#4/0	19
581305 E	336.4	19

Switch Tag Holder 5817.1



For overhead switch tags.

Stock Unit: EA

Stock No.: 581799

Moulding, Ground Wire, Plastic 5820.50

Stock Unit: EA

Stock No.	Size (in)	Length (ft)
582060 E	1/2	8
012980 E	3/4	8

Cotter Pin, Brass 5825.85

Cotter pins are reusable metal fasteners that are used in conjunction with clevis pins to join two machine parts or pieces of equipment.

Standard cotter pins, also known as cotter keys, or split keys, are inserted through the cross-holes in clevis pins; they feature two parallel tines that are bent outward after installation to secure the pin in place.

Stock Unit: EA

Stock No.	Size (in)	Length (in)
582521	1/8	1

Cotter Pin, Humpback Stainless Steel 5825.90

Used to secure a variety of spools and shackle pin assemblies.

Limited for use in pins 5/8 inches in diameter and less.

Stock No. 013060 is used in 3/15-inch diameter holes and has specific application replacing lost cotter pins cited in SCL 6904.20.

Stock No. 582528 is used in 7/32-inch diameter holes.

Stock Unit: EA

Stock No.	Width, Nominal (in)
013060	1/8
582528	5/32

Plate, Double and Quadruple Arming 5826.7

Galvanized steel. Hole size 13/16″.

Used for dead-ending, executing angles, and turning corners in overhead line construction.

Stock Unit: EA

Stock No.	Type	Size (in)
582665	Double	1/2 x 2-1/2 x 25-5/16
582680	Quadruple	1/2 x 2-1/2 x 30-5/16

Staples, Galvanized and Copper Clad 5832.90

Cut point and diamond point round wire staples and cut point square barb staples.

Cut and diamond point staples are used in overhead line construction. Cut and diamond point staples are generally used to secure ground wire and ground wire molding to wood poles.

Square barb staples are stronger and resist bending better than traditional round wire staples. The barbed shank of the staple provides increased retention in wood fibers. Square barb staples are used to attach 1/2-inch conduit onto wood in the streetlight system.

Stock Unit: EA

Stock No.	Length (in)	Width (in)	Wire Diameter (in)	Point	Finish	Material
583180	1-1/2	1/4 to 3/8	0.148	Cut	Hot-Dipped Galvanized	Round steel wire
583200	2	1/2	0.162	Diamond	Hot-Dipped Galvanized	Round steel wire
583261	2	1/2	0.162	Diamond	Copper Clad	Round, copper-clad wire
013517	2	5/8	0.165	Cut	Hot-Dipped Galvanized	Square wire, barb

Strap, Secondary Rack Reinforcing 5833.9

Galvanized steel.

Stock Unit: EA

Stock No.	Size (in)
583370 E	1-1/2 x 19

Steel Washer, Helical Spring Lock 5842.10

Helical spring lock washers are for general purpose use, not for use with pole line hardware.

Helical spring lock washers compensate for developed looseness and loss of tension between parts of an assembly and to function as a hardened thrust bearing. For some head styles, washers also distribute the load over a larger area.

Nominal washer sizes are intended for use with comparable nominal bolt sizes.

Stock Unit: EA

Stock No.	Size (in)
788141	#6
788142	#8
788143	#10
584252	1/4
584253	5/16
584250	3/8
584255	1/2
584260	5/8

Washer, Double Coil, Helical Spring Lock 5842.50

Chamfered ends.

For general pole line use. Washers maintain pressure between wood components that may shrink or swell during varying weather conditions. Keeping components tight minimizes radio and television interference.

A 1/2-inch washer is sized for use with a nominal 1/2-in diameter bolt. Install nut and tighten normally. Important: Back off nut approximately 1/4 turn after closing coils.

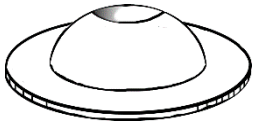
Stock Unit: EA

Stock No.	Size (in)
584257	1/2
584261	5/8
584267	3/4
012651	7/8

Washer, Centering 5843.5

Galvanized carbon steel.

Used to adapt the shank of forged steel pins to pinholes bored for wood pins in crossarms.



Stock Unit: EA

Stock No.	Hole Size (in)	OD (in)
584375 E	13/16	2-3/4

Wire, ACSR, Bare 6000.00

Bare, concentric-lay stranded aluminum conductor, steel reinforced (ACSR) wire. Aluminum strands are made from round 1350-H19 (extra hard) alloy wire. Steel core strands are zinc coated.

Used as a bare, overhead, transmission or distribution conductor. Refer to NESC, Section 26 - Strength Requirements, for applying rated strength values.

Stock Unit: FT

Stock No.	Size (kcmil/AWG)	Stranding, aluminum/steel	Code Word	Diameter (in), Nominal	Minimum Rated Strength (lb)
014778	#2	6/1	Sparrow	0.316	2,850
600020	397.5	18/1	Chickadee	0.743	9,900
600021	397.5	26/7	Ibis	0.783	16,300
600040	795.0	26/7	Drake	1.108	31,500
600041	795.0	30/19	Mallard	1.140	38,400
600044	954.0	45/7	Rail	1.165	25,900

Wire, ACSR/E3X, Bare 6000.05

Bare, concentric-lay stranded aluminum conductor, steel reinforced wire with special coating (ACSR/EX3). Aluminum strands are made from round 1350-H19 (extra hard) alloy wire. Steel core strands are zinc coated.

Wire is used as a bare, overhead, transmission conductor. Wire with a high proportion of aluminum is better suited for applications requiring low electrical impedance. Wire with a high proportion of steel is better suited for long span applications.

E3X is a proprietary coating offered by General Cable that increases the ampacity of bare ACSR by increasing emissivity and lowering absorptivity.

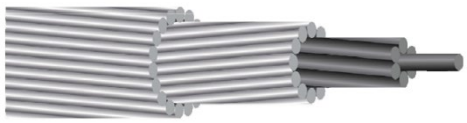
This product is installed the same and uses the same connectors as uncoated ACSR.

Stock Unit: FT

Stock No.	Size (kcmil)	Stranding, Aluminum/Steel	Code Word
013766	795	30/19	Mallard/E3X
013767	954	45/7	Rail/E3X

Wire, ACSS, Bare 6000.09

Bare, concentric-lay stranded aluminum conductor, steel supported wire (ACSS).



Used as a bare, overhead transmission conductor in long-span applications due to its lower sag properties at higher temperatures.

Steel strands form the central core of the conductor with one or more layers of 63% minimum average conductivity aluminum 1350-0 wire stranded around it. The steel core carries most or all of the mechanical load of the conductor due to the "0" (fully annealed or soft) temper aluminum.

Typical 300 kcmil ACSS conductor is known as Ostrich and has 26/7 stranding. The ACSS conductor SCL uses, however, is custom made with a 22/7 stranding to match what is currently installed in our system so we can make repairs.

Stock Unit: FT

Stock No.: 015163

Wire, AAC, Bare 6000.20

Bare, concentric-lay stranded, all aluminum wire. Aluminum strands are made from round 1350-H19 (extra hard) alloy wire.

Used as a bare, overhead, transmission or distribution conductor. Refer to NESC, Section 26 - Strength Requirements, for applying rated strength values.

Because of its flexibility, all aluminum wire has special application for making up feeder jumpers and for connecting gang-operated, pole-mounted switches.

Stock Unit: FT

Stock No.	Size (kcmil)	Class	Number of Strands	Code Word	Diameter (in), Nominal	Minimum Rated Strength (lb)
600113	397.5	A, AA	19	Canna	0.724	7,110
600121	795.0	AA	37	Arbutus	1.026	13,900
600126	954.0	A	61	Goldenrod	1.126	16,900

High-Temperature, Low-Sag Conductor, 3M 6001.25

HTLS is similar in construction and dimensions to Aluminum Conductor Steel Reinforced (ACSR); however, HTLS has a higher strength-to-weight ratio and lower thermal expansion than comparably sized steel core conductors.

Because it is lighter and sags less, even at higher operating temperatures, higher line ratings are possible at equivalent tensions and clearances. Note: Joule heating (line losses) increase linearly with operating temperature.

The first use of HTLS at Seattle City Light (SCL) was to reconductor the Bothell to SnoKing #1 and #2 (BO-SK #1/#2) 230 kV transmission lines.

Product details:

- Corrosion, creep, and fatigue resistant
- Thermally stable
- Total conductor diameter, minimum: 1.0 in
- Total weight, maximum: 1.25 lb/ft
- Tensile strength, ultimate, minimum: 30,000 lb

The various HTLS conductor designs manufactured by 3M are proprietary and not exact equals to each other.

HTLS conductor may also be referred to as follows:

- High capacity
- Aluminum conductor composite reinforced (ACCR)
- Aluminum conductor composite core (ACCC)

For information on HTLS conductor deadend and splice requirements see SCL 6962.32.

See SCL 6001.27 for the CTC proprietary version of this conductor (Stock No. 014525).

Stock Unit: FT

Stock No.: 013632

High-Temperature, Low-Sag Conductor, CTC 6001.27

HTLS is similar in construction and dimensions to Aluminum Conductor Steel Reinforced (ACSR); however, HTLS has a higher strength-to-weight ratio and lower thermal expansion than comparably sized steel core conductors.

Because it is lighter and sags less, even at higher operating temperatures, higher line ratings are possible at equivalent tensions and clearances. Note: Joule heating (line losses) increase linearly with operating temperature.

Product details:

- Corrosion, creep, and fatigue resistant
- Thermally stable
- Total conductor diameter, minimum: 1.0 in
- Total weight, maximum: 1.25 lb/ft
- Tensile strength, ultimate, minimum: 32,000 lb

The various HTLS conductor designs manufactured by CTC are proprietary and not exact equals to each other.

HTLS conductor may also be referred to as follows:

- High capacity
- Aluminum conductor composite reinforced (ACCR)
- Aluminum conductor composite core (ACCC)

For information on HTLS conductor deadend and splice requirements see SCL 6962.32.

See SCL 6001.25 for the 3M proprietary version of this conductor (Stock No. 013632).

Stock Unit: FT

Stock No.: 014525

Tie Wire, Solid Bare Aluminum, Soft Drawn 6003.18

Solid bare aluminum tie wire is used in overhead distribution line construction to mechanically secure components such as conductors to pin type insulators.

Stock Unit: FT

Stock No.	Size (AWG)	Diameter (in), Nominal	Weight (lb per 100 ft)	Breaking Strength (lb), Minimum
600085	4	0.204	3.84	369

Wire, Solid, Copper, Weather Resistant, Polyethylene Covered 6004.50

Although the wire covering is not treated as an insulation, it provides an increased level of protection from momentary grounded contacts caused by wildlife, excessive wind, and tree limbs or other objects that may interfere with the high voltage lead.

This wire may be used on distribution system voltages up to 35 kV.

Stock Unit: FT

Stock No.	Size (AWG)	Temper	Wire Diameter (in)	Covering Thickness (mils), Minimum
611444	6	Soft Drawn (SD)	0.162	27
611393	4	Medium Hard Drawn (MHD)	0.204	27
611392	4	Medium Hard Drawn (MHD)	0.204	27
014121	4	Soft Drawn (SD)	0.204	27
611442	4	Soft Drawn (SD)	0.204	27
611390	2	Medium Hard Drawn (MHD)	0.258	41

Wire, Aluminum, Weather-Resistant, Polyethylene Covered 6005.1

Aluminum, weather-resistant, polyethylene covered, single conductor line wire.

Used as an overhead, primary distribution system neutral conductor. This product has no voltage rating and must be installed on insulators adequate for the service voltage.

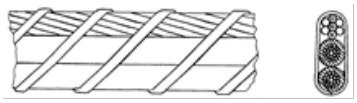
Stock Unit: FT

Stock No.	Size (AWG)	Number of Strands	Code Word
600318	4/0	7	Olive

Overhead Parallel Lay Triplex Cable, Aluminum 6006.2

XLPE insulated pre-lashed to bare neutral messenger for use on secondary distribution at 600 V or less.

Triplex service drop cable is used to supply power from utility lines to the customer’s weatherhead.



Stock Unit: FT

Stock No.	Phase Conductor Size	Phase Conductor Strands	Phase Conductor Average Insulation Thickness (in)
600612	4/0	19	0.060

Overhead Triplex and Quadruplex Service Drop Cable, Aluminum — 6007.50

Neutral-supported, 600 V, aluminum, cross-linked polyethylene (XLPE) insulated, multiplex cable.

Cable assemblies are for single-phase, 3-wire, and three-phase, 4-wire secondary and service drops nominally rated up to 480 V phase-to-phase, 60 Hz. Cable assembly is for overhead application.

Support is provided by the bare, 6/1 ACSR, neutral messenger. Refer to the Material Standard for neutral conductor strength ratings and other technical data. Code words are defined by the Aluminum Association. Stock No. 013271 has special application as an overhead conductor for temporary streetlight services.

Stock Unit: FT

Stock No.	Phase Conductor Size (AWG/ kcmil)	Neutral Conductor Size (AWG)	Packaging	Code Name	Type
013271	#6	#6	Coil (500´)	Voluta-XLP	Triplex
600672	#2	#4	Reel	Cockle-XLP	Triplex
600673	#2	#4	Coil (400´)	Cockle-XLP	Triplex
600664	1/0	#2	Reel	Janthina-XLP	Triplex
012580	1/0	#2	Coil (250´)	Janthina-XLP	Triplex
600669	4/0	2/0	Reel	Cerapus-XLP	Triplex
600734	#2	#2	Reel	Palomino-XLP	Quadruplex
600735	1/0	1/0	Reel	Costena-XLP	Quadruplex
600738	4/0	4/0	Reel	Appaloosa-XLP	Quadruplex
600741	350	4/0	Reel	none	Quadruplex

600 V, Copper, Underground, Single-Conductor Cable — 6010.00

600 V, copper, cross-linked polyethylene (XLPE) insulated, single-conductor cable. Cable is marked RHH-RHW-2-USE-2. Cable is packaged on wood reels.

Cable is for URD or network secondary systems nominally rated up to 480 V phase-to-phase, 60 Hz. Cable may be installed in single or parallel conductor runs. Cable shall be suitable for installation in ducts and direct burial in wet or dry locations.

Smaller AWG sizes are also used to make up secondary leads for overhead transformers (bug legs). 1/0 and 3/0 AWG cable, Stock Nos. 613732 and 613734 respectively, are for emergency replacement only. Do not use these sizes for new construction.

Stock No. 613737 is being phased out to consolidate inventory. Use existing stock to depletion.

Stock Unit: FT

Stock No.	Size
613730	#2 AWG
613732	1/0 AWG
613733	2/0 AWG
613734	3/0 AWG
613735	4/0 AWG
613736	250 kcmil
613738	350 kcmil
613740	500 kcmil
613743	750 kcmil

600 V, Aluminum, Underground Triplex and Quad Secondary Cable — 6010.10

600 V, aluminum, cross-linked polyethylene (XLPE) insulated, multiplex cable. Cable is marked USE-2.

Multiplex cable is for URD secondary applications consisting of single-phase, 3-wire, and three-phase, 4-wire systems nominally rated up to 480 V phase-to-phase, 60 Hz. Cable shall be suitable for installation in ducts and direct burial in wet or dry locations. Code words are defined by the Aluminum Association.

Stock Unit: FT

Stock No.	Phase Conductor Size	Neutral Conductor Size	Packaging	Type	Code Name
605040	4/0 AWG	2/0 AWG	Reel	Triplex	Sweetbriar-XLP-YES-USE-2 Regis-XLP-USE-2
605076	350 kcmil	4/0 AWG	Reel	Triplex	Wesleyan-XLP-YES-USE-2 Concordia-XLP-USE-2
605084	500 kcmil	350 kcmil	Reel	Triplex	Rider-XLP-YES-USE-2 Brooklyn-XLP-USE-2
605142	4/0 AWG	2/0 AWG	Reel	Quadruplex	Wake Forest-XLP-YES-USE-2 Lander-XLP-USE-2
605176	350 kcmil	4/0 AWG	Reel	Quadruplex	Slippery Rock-XLP-YES-USE-2 Susquehanna-XLP-USE-2
605186	500 kcmil	350 kcmil	Reel	Quadruplex	Page-XLP-YES-USE-2 Valparaiso-XLP-USE-2 Wofford-XLP-USE-2

5 kV, 1/C, Tape Shielded Cable — 6010.20

Tree-retardant, crosslinked polyethylene (TRXLPE) insulated, medium-voltage power cable. Prior to 2005, cable was purchased with drain wire shield. Current standard calls for tape shield. Refer to Material Standard and Work Practice 0525.04 for more information.

For use on nominal 4.3 kV, three-phase, 4-wire, wye-connected, URD systems. Stock No. 613212 is used to maintain existing 4.3 kV primary services run in 2″ diameter conduit. If 2-1/2″ conduit is present, consider using 27 kV, 3-1/C, Kerite cable, Stock No. 623650.

Stock Unit: FT

Stock No.	Conductor Size	Conductor Alloy	Jacket Material
613212	#6 AWG	Copper	LLDPE
613222	350 kcmil	Copper	LLDPE

15 kV, 3/C, Tape Shielded Cable 6020.01

Tree-retardant, crosslinked polyethylene (TRXLPE) insulated, medium-voltage power cable. Refer to Material Standard for more information.

For use on nominal 13.8 kV, three-phase, three-wire, delta-connected network systems.

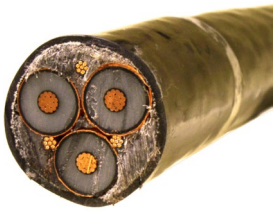
Stock Unit: FT

Stock No.	Conductor Size	Conductor Alloy	Jacket Material
613523	#1 AWG	Copper	LLDPE
613526	3/0 AWG	Copper	LLDPE
613530	350 kcmil	Copper	LLDPE

28 kV, 3/C + 3/Ground, Tape Shielded Cable 6020.05

Tree-retardant, crosslinked polyethylene (TRXLPE) insulated, medium-voltage power cable with three ground conductors. Refer to Material Standard and Work Practice 0525.04 for more information.

For use on nominal 26.4 kV, three-phase, three wire, delta network systems.



Stock Unit: FT

Stock No.	Conductor Size	Conductor Alloy	Jacket Material
613540	#1 AWG	Copper	LLDPE
613543	350 kcmil	Copper	LLDPE

28 kV, 1/C + 1/Neu, Round Wire Concentric Neutral, Jacketed 6020.06

Tree-retardant, crosslinked polyethylene (TRXLPE) insulated, medium-voltage power cable with full concentric neutral. Refer to Material Standard and Work Practice 0525.04 for more information.

For use on nominal 26.4 kV, three-phase, 4-wire, wye-connected, URD systems. This cable has particular application in areas where neutral corrosion may be a problem.

Stock Unit: FT

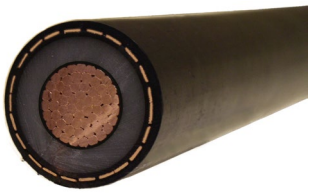
Stock No.	Conductor Size	Conductor Alloy	Jacket Material
012098	1/0 AWG solid	Aluminum	LLDPE

28 kV, 1/C, Flat Strap Shielded Cable — 6020.07

Tree-retardant, crosslinked polyethylene (TRXLPE) insulated, medium-voltage power cable.

For use on nominal 26.4 kV, three-phase, 4-wire, wye-connected, URD systems.

Refer to Material Standard and Work Practice 0525.04 for more information.



Stock Unit: FT

Stock No.	Conductor Size	Conductor Alloy	Jacket Material
012099	350 kcmil	Aluminum	LLDPE
012100	500 kcmil	Copper	LLDPE
012101	750 kcmil	Copper	LLDPE
012102	1000 kcmil	Copper	LLDPE

15 kV, 3/C+1G, EPR Insulated Cable with Armor — 6025.02

Ethylene propylene rubber (EPR) insulated, medium-voltage power cable. Refer to Material Standard for more information.

For use on nominal 13.8 kV, three-phase, three-wire, delta-connected network systems. This product has particular application as a vertical riser cable. Cable is intended to be installed within a high-rise building and suspended from one end. Product replaces Stock Nos. 613522 and 613521.

Users should be aware that this cable has 220 mils of insulation – a less common value for 15 kV cable at Seattle City Light.

Cable length requirements are site specific. Engineers and Material Control shall plan for minimum order runs of 1000 feet. Cable shall be shipped only in combinations of the options cited in Table 2, Material Standard 6025.02.

Stock Unit: FT

Stock No.	Conductor Size	Conductor Alloy	Sheath
013306	4/0 AWG	Copper	Steel armor

15 kV, 3/C, Tape Shielded Cable — 6025.10

Ethylene propylene rubber (EPR) insulated, medium-voltage power cable. Refer to Material Standard and Work Practice 0525.04 for more information.

For use on nominal 13.8 kV, three-phase, three-wire, delta-connected network systems. This product has particular application in 3-1/2-inch diameter, clay tile duct banks. EPR insulated cable is capable of operating at higher temperatures than TRXLPE insulated cable.

Stock Unit: FT

Stock No.	Conductor Size	Conductor Alloy	Jacket Material
010128	500 kcmil	Copper	LLDPE

15 kV, 3-1/C, Flat Strap Shielded Cable 6025.60

Ethylene propylene rubber (EPR) insulated, medium-voltage power cable. Refer to Material Standard and Work Practice 0525.04 for more information.

For use on nominal 13.8 kV, three-phase, three-wire, delta-connected network systems as standard feeder cable. EPR insulated cable is capable of operating at higher temperatures than TRXLPE insulated cable.

Note: For a cable fault occurring between two vaults, full fault current flows in the metallic shield from the fault location to the first splice vault nearest the source. Because the phases of a 3-1/C cable are individually jacketed, adjacent metallic shields (or separately pulled, bare-ground conductors) cannot be counted upon to dissipate fault current.

Stock Unit: FT

Stock No.	Conductor Size	Conductor Alloy	Jacket Material	Length per Reel (ft)
012735	500 kcmil	Copper	LLDPE	1800
623670	1000 kcmil	Copper	LLDPE	1200

28 and 35 kV Cable, Underground Primary Distribution, TRXLPE 6036.60

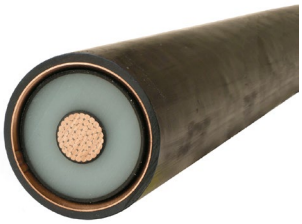
Tree-retardant, crosslinked polyethylene (TRXLPE) insulated, medium-voltage power cable. Insulation has a nominal thickness of 420 mil, resulting in an insulation level of 133 percent. Refer to Material Standard and Work Practice 0525.04 for more information.

For use on nominal 34.5 kV, three-phase, 4-wire, wye-connected, URD systems. Used at South Substation and Salmon Bay Steel plant (now Nucor Steel).

Stock Unit: FT

Stock No.	Conductor Size	Conductor Alloy	Jacket Material
623655	1000 kcmil	Copper	LLDPE

115 kV, 1/C, Welded Copper Shield Cable, 1000 kcmil 6050.10



Crosslinked polyethylene (XLPE) insulated, LLDPE jacketed, high-voltage power cable. Copper conductor alloy.

For use on nominal 115 kV, three-phase, grounded wye-connected power systems. Stock No. 012799 was first installed along route of Alaskan Way Viaduct in 2009.

The 115-kV cable is not stocked. Contact Transmission Engineering if your project requires a cable of this voltage class.

Stock Unit: FT

Stock No.: 012799

Wire, Bare, Solid, Copper-Clad Steel 6100.00

#4 AWG, bare, solid, Grade 40HS, copper-clad steel wire.

Used to fabricate pole grounds and in other applications where theft is a concern. Unlike solid copper wire, this conductor is very difficult to cut and has little value as salvage.

Packaged in 50-lb (431 ft.) coils.

Stock Unit: FT

Stock No.	Size (AWG)	Diameter (in), Nominal	Temper
012702	#4	0.2043	Annealed

Wire, Trolley, Copper, Hard Drawn, Grooved 6100.50

Used to fabricate standard and reinforced connector bars, which are used to mount fault current limiters to cutouts that have a terminal pad with a fixed position bolt. See SCL 6849.1 for more information.

Product details:

- Size: 2/0
- Weight (lb/100 ft): 41
- Breaking strength, minimum (lb): 5437

Stock Unit: FT

Stock No.	Size (AWG)	Temper
610020	2/0	Hard Drawn

Wire, Bare 6101.10

Hard drawn copper, bare, solid wire.

Used as a bare, overhead, distribution conductor.

Because of its forming characteristics, Stock No. 610006 has special application as bus on overhead terminal poles or making (working) ground connections in underground vaults.

Stock Unit: FT

Stock No.	Size (AWG)	Diameter (in), Nominal	Temper
610006	#2	0.258	Hard Drawn
610008	#4	0.204	Hard Drawn

Wire, Solid Bare Copper, Dead-Soft-Annealed 6102.20

The larger sizes of dead-soft-annealed wire are used for hand tying copper primary conductor to pin insulators and making jumpers.

Dead-soft-annealed wire falls between soft-drawn and dead-soft-drawn in hardness.

The hardness of copper wire is determined by stretching a ten-inch-long sample until it breaks and then measuring the length of the sample. The percent of stretch is called elongation. Dead-soft-drawn has an elongation of 40%. Dead-soft-annealed (this standard) has an elongation of 35%. The elongation of soft-drawn ranges between 15 and 35%. The elongation of medium- and hard-drawn ranges between 1.0 and 1.9%. The practical, upper limit of softness for copper wire is about 48%. Annealing past this point significantly compromises tensile strength.

Stock Unit: FT

Stock No.	Size (AWG)	Diameter (in), Nominal	Temper
610208	#4	0.2043	Dead-Soft-Annealed
610210	#6	0.1620	"
610218	#14	0.0641	"
610222	#18	0.0403	"

Wire, Bare, Stranded 6103.90

Soft drawn copper, bare, stranded wire.

For grounding, jumpers, and other general use.

Stock Unit: FT

Stock No.	Size (AWG/kcmil)	No. of Strands	Temper
610434	#2	7	Soft Drawn
610425	2/0	7	"
610414	4/0	19	"
610412	250	37	"
610397	500	37	"

Wire, Copper, Bare, Medium-Hard-Drawn, 500 kcmil 6103.95

Used for grounding, jumpers, and other general use.

Stock Unit: FT

Stock No.	Size (kcmil)	No. of Strands	Diameter (in), Nominal	Temper
610300	500	37	0.813	Medium Hard Drawn

Wire, Bare, Stranded 6104.5

Medium hard drawn copper, bare, stranded wire.

For general use in stations.

Stock Unit: FT

Stock No.	Size (AWG)	Number of Strands	Nominal Diameter (in)	Temper
610524	4/0	7	0.522	Medium Hard Drawn

Braid, Tinned Copper, Flat 6104.75

Flat, tinned-copper braid is used by crews for grounding cables and by the Transformer Shop when forming jumpers on submersible, single-phase, transformer secondary terminals.

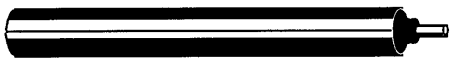
Stock Unit: FT

Stock No.	Width (in) x Thickness (in)	Circular mil Area	Approx. AWG Equivalent	No. of Strands x AWG/strand
618614	0.250 x 0.046	6,000	#12	240 x #36
618625	0.625 x 0.046	13,200	#9	528 x #36
618624	0.625 x 0.093	36,180	#5	360 x #30
013491	1.375 x 0.120	105,600	1/0	1056 x #30
618615	1.750 x 0.130	124,800	2/0	1248 x #30

Wire, Copper, Polyethylene-Insulated, 5 kV 6108.5

High density polyethylene jacket over high molecular weight polyethylene insulation over solid, medium hard drawn, copper wire.

Used to make up 4 kV, overhead transformer leads.



Stock Unit: FT

Stock No.	Size (AWG)	Diameter (in), Nominal	Temper
610833	#6	0.478	Medium Hard Drawn

Wire, 600 V, Single-Conductor, Thermoplastic-Insulated, THWN-2 6122.35

For low voltage systems nominally rated up to 480 V phase to phase, 60 Hz. Suitable for installation in ducts and in wet or dry locations at temperatures not to exceed 90 degrees C. Also known as building or construction wire and should not be used for control or other critical circuits. Not suitable for direct burial.

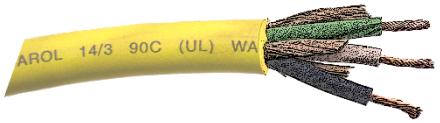
Stock Unit: FT

Stock No.	Size (AWG)	Stranding	Jacket Color
612215	14	Solid	Black
612217	"	"	White
612218	"	"	Green
014397	"	"	Red
014398	"	"	Orange
014399	"	"	Yellow
014400	"	"	Gray
014701	"	19 str	Black
014702	"	"	White
014703	"	"	Red
014704	"	"	Orange
014705	"	"	Yellow
014706	"	"	Gray
014707	"	"	Brown
014708	"	"	Pink
014709	"	"	White with blue tracer
612219	12	"	Gray with black tracer
612220	"	"	Black
612221	"	"	Brown
612222	"	"	White
010382	"	"	White with black tracer
612223	"	"	Gray
612224	"	"	Red
612225	"	"	Blue
612226	"	"	Green
612227	"	"	Yellow
612228	"	"	Orange
612229	"	"	Purple
612230	"	19 str	Black
612232	"	"	White
612233	"	"	Red
612234	"	"	Blue
612250	10	Solid	Black
612252	"	"	White
612254	"	"	Red
612255	"	"	Blue
612256	"	"	Green
612260	"	19 str	Black
612272	"	"	White
612274	"	"	Red
612275	"	"	Blue
612276	8	"	Black
612277	"	"	Green
612278	"	"	White
612279	"	"	Red
612280	"	"	Blue
612282	6	"	Black
612284	"	"	White
612286	"	"	Red
612287	"	"	Blue
612288	"	"	Green
612298	4	"	Black
612300	"	"	White
612302	"	"	Red
612304	"	"	Blue
612306	"	"	Green
014745	2	19 str	Black
014746	"	"	White
014747	"	"	Red
014748	"	"	Blue
014749	"	"	Green

Wire, Portable Cord, Copper 6158.2

Flexible, multi-conductor, portable cord used for making extension cords or repairing small electric hand tools.

Voltage rating is typically used to denote hardness of service. Yellow, 600 V cord is for hard service and is good for making up highly visible extension cords. Black, 300 V cord is known as junior hard and is good for repairing hand tools.



Stock Unit: FT

Stock No.	No. of Conductors	Size (AWG)	Voltage	Code Type	Color
615776	2	#16	300	SJO	Black
615777	2	#14	300	SJO	Black
615853	3	#16	300	SJO	Black
616090	3	#14	300	SJO	Black
615828	3	#16	600	SO*	Yellow
615829	3	#14	600	SO*	Yellow

Note: * Types SOW, SOO, and SOOW are also acceptable

Bus Bar, Copper, Rectangular 6300.07

Copper, half hard-tempered bus bar in 12-ft lengths.

Copper bus bar is used in the Seattle City Light Network system to connect transformers. Bus bar is cut to length on the job as needed.

Copper is the preferred material for use by crews for this application due to its high ampacity as well as ability to resist corrosion, which is prevalent in our region's commercial building vault environments.

Bus bar widths of 2-1/2 in, 5 in and 6 in are special order and not normally stocked in the warehouse

Stock Unit: FT

Stock No.	Thickness (in)	Width (in)
630025	1/4	2
630026	1/4	2-1/2
630027	1/4	3
630029	1/4	4
630030	1/4	5
630031	1/4	6

Bus Bar, Drilled Copper, for Underground Vaults 6303.00

Drilled rectangular copper bar, H02 tempered, 1/4-inches thick.

Rectangular copper bar is used to construct secondary bus and ground bus in underground Network vaults.

Stock Unit: EA

Stock No.	Size (in)	Length (in)
679762	28 x 4	28
679757	36 x 4	30
679760	48 x 4	48
679763	51 x 6	51
679764	62-1/2 x 6	62-1/2

Bus Bar, Seamless Copper Pipe 6305.0

Seamless copper bus bar pipe in 20-ft lengths.

Copper bus bar pipes are used to construct secondary bus in underground Network vaults.

Stock Unit: FT

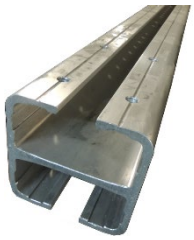
Stock No.	SPS, Nominal (in)	Wall Thickness (in)
630505	3/4	0.114
630507	1-1/4	0.146
630508	1-1/2	0.150
630509	2	0.156

Bus, Aluminum, Integral Web Channel (IWCB), 8" x 8" — 6308.08

Alloy 6101-T61, non-ventilated.

Used exclusively in building vaults to construct secondary network buses.

Rigidly mounted on insulators which are mounted on walls or ceilings to optimize space and clearance inside dedicated in-building electric utility vault rooms.



Stock Unit: EA

Stock No.	Description
014352	12 ft IWCB Blank Section
630051	14.5 ft IWCB Blank Section
013878	17 ft IWCB Blank Section
014353	12 ft IWCB with Drilled Holes
014354	14.5 ft IWCB with Drilled Holes
014355	17 ft IWCB with Drilled Holes

Aluminum Plate, 6061-T651 — 6308.24

Aluminum plates are used to fabricate insulator plates (680874) for 8-inch Integral Web Channel Bus (IWCB) and connector plates (680860) to attach cable to the 6" x 6" or 8" x 8" IWCB.

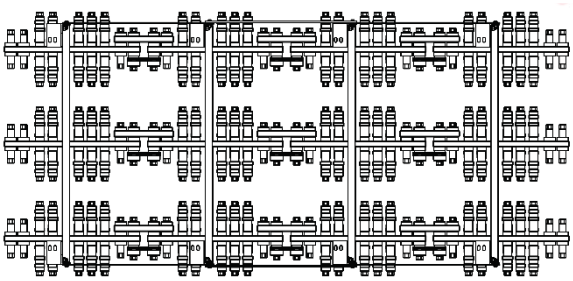
Stock Unit: EA

Stock No.	Length (in)	Width (in)	Thickness (in)	Temper	Alloy
630053	72	12	3/4	T651	6061

Bus Bars, Submersible, EPDM-Insulated, Modular, Assembly — 6308.48

Bus bar assembly that includes 4 bus bar sections (80 cable connections) per phase, 72 connection plate sealing plugs, and connection and insulating plates and all necessary hardware to assemble (except cable lug kits and sealing plugs).

Modular bus bars are installed in vaults to connect transformer secondary conductors to customer services. Modular bus bars can take the place of an Integral Web Channel Bus (IWCB). Modular bus bars are suitable for submersible applications. Because they are coated, they reduce the risk of inadvertent contact with energized parts.



Stock Unit: EA

Stock No.:014646

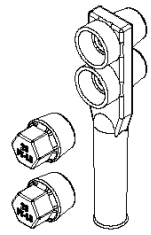
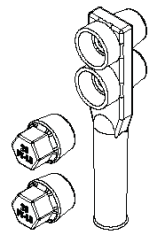
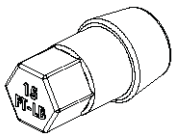
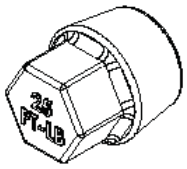
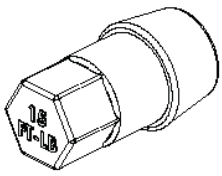
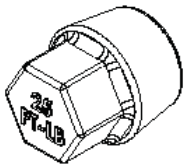
Bus Bars, Submersible, EPDM-Insulated, Modular, Lugs, Sealing Plugs, and Clamping Plugs — 6308.48

Modular bus bars are installed in vaults to connect transformer secondary conductors to customer services. Modular bus bars can take the place of an Integral Web Channel Bus (IWCB). Modular bus bars are suitable for submersible applications. Because they are coated, they reduce the risk of inadvertent contact with energized parts.

Lugs with clamping plugs and sealing plugs are stocked separately and must be ordered on a job-specific basis to accommodate the number and configuration of customer cables or bus connections and resulting unused cable positions. Confirm with Network Service Engineering prior to placing an order.

Clamping plugs contain an interior metallic spring tensioned contact face to provide contact pressure to the insulated lug. Sealing plugs do not contain this feature and are used only on unoccupied lug positions. Both clamping and sealing plugs indicate their recommended torque levels on the exterior face.

Stock Unit: EA

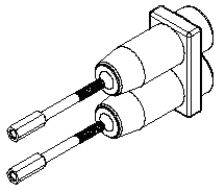
Stock No.	Description	
014647	Cable lug kit with one 500 kcmil insulated lug and two clamping plugs.	
014711	Cable lug kit with one 4/0 AWG insulated cable lug and two clamping plugs	
014648	Sealing plug (for unused cable positions; two per position)	
014651	Clamping plug (for each connection plate or insulating connection plate position).	
014652	Sealing plug (for each unused connection plate position).	
014656	Lug clamping plug (two are included in each cable lug kit).	

Bus Bars, Submersible, EPDM-Insulated, Modular, Offset Adapter Kit — 6308.48

Modular bus bars are installed in vaults to connect transformer secondary conductors to customer services. Modular bus bars can take the place of an Integral Web Channel Bus (IWCB). Modular bus bars are suitable for submersible applications. Because they are coated, they reduce the risk of inadvertent contact with energized parts.

Stock Unit: EA

Stock No.	Description
014653	Offset adapter kit (extends bus out from bus section face to allow two cables to be installed in the same vertical column and be routed the same direction).

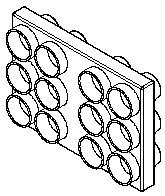


Bus Bars, Submersible, EPDM-Insulated, Modular, Connection Plate Kits — 6308.48

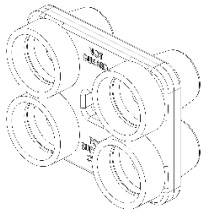
Modular bus bars are installed in vaults to connect transformer secondary conductors to customer services. Modular bus bars can take the place of an Integral Web Channel Bus (IWCB). Modular bus bars are suitable for submersible applications. Because they are coated, they reduce the risk of inadvertent contact with energized parts.

Stock Unit: EA

Stock No.	Description
014649	Connection plate kit to join two bus bar sections. Kit includes 12 connection plate clamping plugs.



014650	Insulating connection plate kit to join two bus bar sections structurally, but not electrically. Kit includes 4 connection plate clamping plugs and 20 connection plate sealing plugs.

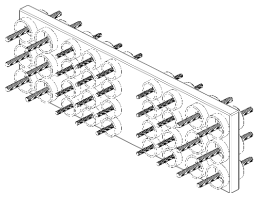


Bus Bars, Submersible, EPDM-Insulated, Modular, Bus Bar Sections — 6308.48

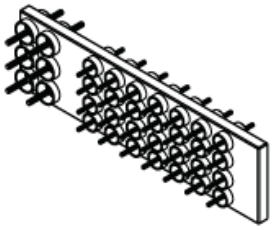
Modular bus bars are installed in vaults to connect transformer secondary conductors to customer services. Modular bus bars can take the place of an Integral Web Channel Bus (IWCB). Modular bus bars are suitable for submersible applications. Because they are coated, they reduce the risk of inadvertent contact with energized parts.

Stock Unit: EA

Stock No.	Description
014654	Bus bar section with 20 cable positions and connection bolts on both ends.



014655	Bus bar section with 28 cable positions (14 on each face) and connection bolts on one end.



Control Cable, 600 V, Multiconductor, Copper 6404.11

XLP insulated, 19-strand.

Used in a variety of applications inside substations. Suitable for use in AC or DC circuits, in wet or dry locations, for direct burial or in conduit.

Unless there are no other options, avoid specifying Stock Nos. 640443 and 640467.

Stock Unit: FT

Stock No.	Size (AWG)	Number of Conductors	Common Application
640442	#12	2	Control and DC supply circuits
640443	#12	3	–
640444	#12	4	PT circuits
640447	#12	7	Control circuits
640449	#12	9	Control circuits
640462	#10	2	DC supply circuits
640464	#10	4	CT circuits
640467	#10	7	–

Cable, Streetlight, 600 V, Streetlight Pole and Bracket, 3/C 6404.45

600 V, copper, type XHHW, jacketed three-conductor cable. Cable is marked XHHW-2.

Cable is packaged on wood reels. Sunlight- and UV-resistant.

Wires are color coded black, white, green. For use in streetlight systems in bracket arms and underground-fed poles between the streetlight handhole and luminaire.

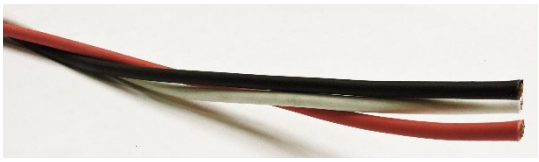
Stock Unit: FT

Stock No.	Size (AWG)
014072	#12

Cable, Streetlight, 600 V, 3-1/C 6404.50

Cross-linked polyethylene-insulated, 7-strand copper, type XHHW (XLP), triplex.

Cable is packaged on wood reels.



Stock Unit: FT

Stock No.	Size (AWG)
640450	#8

Wire, Switchboard, Cross-Linked Polyethylene-Insulated 6420.51

Cross-linked polyethylene-insulated, switchboard wire:

- Dual-rated types SIS/XHHW-2
- Rated 600 V
- Rated for 90°C, wet or dry
- Single-conductor construction
- VW-1 vertical flame test compliant
- RoHS compliant

Switchboard wire is for making connections inside equipment cabinets. It is not appropriate for use in cable trays.

Switchboard wire is suitable for operation at conductor temperatures up to 90°C in wet or dry locations.

Also known as type SIS wire.

Stock Unit: FT

Stock No.	Size (AWG)
642082	#14
642083	#12
642084	#10

Wire, Appliance, Silicone Rubber-Insulated, Fiberglass Braid Jacket 6420.65

Silicone rubber-insulated, high-temperature, #12 AWG, 65-strand appliance wire. Also known as SRML or SFF-2 wire.

Silicone Rubber Motor Lead (SRML) or SFF-2 appliance wire is used for fire protection systems, high wattage lighting fixtures, control and power circuits, and other applications when high temperatures and abrasive environments are present.

This wire is suitable for operation at conductor temperatures up to 150 degrees C in indoor environments.

Stock Unit: FT

Stock No.	Jacket Color
612500	White
612501	Black
612502	Blue
612503	Red
012183	Yellow

Connector, Aluminum Compression, Tap — 6501.10

Tensile strength Class 3. Used with the Anderson Versa-Crimp VC6 (2) (3) tool.

Stock Unit: EA

Stock No.	Conductor Range (AWG or kcmil)
650314	#4 to 4/0 ACSR

Connector, Aluminum Compression, Range-Taking, Full Tension — 6501.10

Tensile strength Class 1.

Stock Unit: EA

Stock No.	Conductor Range (AWG or kcmil)
650172	1/0 to 4/0 ACSR
650174	4/0 to 336.4 AL
650196	4/0 to 397.5 ACSR
650198	397.5 to 477 ACSR

Connector, Aluminum Compression, Range-Taking, Partial Tension — 6501.10

Tensile strength Class 2.

Stock Unit: EA

Stock No.	Conductor Range (AWG or kcmil)
013530 E	1/0 to 4/0 ACSR
650138 E	4/0 to 477 ACSR or 500 ACC

Connector, Aluminum Compression, Range-Taking, Minimum Tension — 6501.10

Tensile strength Class 3.

Stock Unit: EA

Stock No.	Conductor Range (AWG or kcmil)
650100 E	#10 solid – 1/0 ACSR
650102 E	#8 solid – 2/0 ACSR
650104 E	#4 solid – 4/0 ACSR
650106 E	2/0 stranded – 366.4 ACSR or 350 stranded

Splice, Compression, Full-Tension, ACSR — 6501.25

Full-tension compression splices join two ACSR conductors of the same size.

Product description:

- Made of high-strength aluminum alloy
- Capable of maintaining a minimum of 95 percent of the rated strength of standard ACSR conductor without baring the core wire
- Prevent insertion of either wire beyond the center of the splice
- Factory-filled with a measured amount of oxide-inhibiting compound
- Capped ends to prevent leakage of oxide-inhibiting compound
- Include one aluminum joint and two core grips

Stock Unit: EA

Stock No.	Conductor Size (kcmil)	Conductor Code Word	Stranding
659123	477	Hen	30/7
659130	795	Drake	26/7
659144	795	Mallard	30/19
659148	954	Rail	45/7
659425	300	–	22/7

Repair Sleeve, Compression, ACSR — 6501.30

Repair sleeves are intended to reinforce broken or damaged strands on 795 kcmil, 30/19, ACSR (Mallard) conductors.

Repair sleeves are installed with a 14CD die.

Repair sleeves are not suitable for use as a splice.

Product details:

- High-strength aluminum alloy
- Nominal splice body length (before compression): 16.8 inches

Stock Unit: EA

Stock No.: 659859

Splice, Automatic, ACSR, Full Tension, Straight and Reducing — 6501.49

Automatic splices are used on AAC or ACSR conductors in overhead construction.

Stock No. 014519 is intended to transition from 336.4 AAC or ACSR to 397.5 ACSR.

Product details:

- Made of high-strength aluminum alloy and meet the applicable requirements of ANSI C119.4
- Tensile strength Class 1
- Capable of developing a minimum of 90 percent of the rated strength of standard ACSR without baring the core wire
- Constructed to prevent insertion of either wire beyond the center of the splice
- Incorporates strand guides and pilot cups or other means of ensuring that the wires can be easily inserted to full design depth

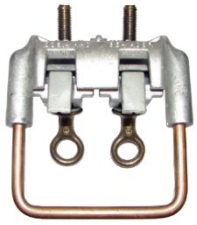
Stock Unit: EA

Stock No.	Conductor Size (AWG/Kcmil)	Splice Type	Color Code	Length, Nominal (in)
650663	2/0	Straight	Gray	18
650665	4/0	"	Pink	17
650666	336.4	"	Green	20
650668	397.5	"	Blue	22
014519	336.4 to 397.5	Reducing	–	20

Clamp, Stirrup, Hot Line, Aluminum — 6501.54

Clamps are installed on 397–954 kcmil Aluminum Conductor Steel Reinforced (ACSR) or All Aluminum Conductor (AAC) primary conductors to protect conductors from wear by providing a connection point for hot line tap clamps.

Clamps are designed to be installed on energized conductors.



Stock Unit: EA

Stock No.: 580678

Connector, Compression, Deadend 6505.15

The body and terminal pad of the deadend compression connector are aluminum alloy, with a galvanized forged-steel eye.

Deadend compression connectors are used for connecting ACSR or AAC conductors to deadend insulators in distribution and transmission line construction.

Terminal lugs used to connect ACSR or AAC jumpers to the tongue of connectors are specified in SCL 6505.20.

Tongues and terminal pads are each constructed with a 15-degree angle, which permits connectors to be bolted in either a straight or 30-degree position.

Stock Unit: EA

Stock No.	Conductor Size (kcmil)	Conductor Code Word	Stranding	Deadend Length Before Compression (L) (in)	Die Size
659668	795 ACSR	Drake	26/7	16.7	12CD
659669	795 ACSR	Mallard	30/19	19.8	14CD
659799	954 ACSR	Rail	45/7	19.0	13CD
659239	795 AAC	Arbutus	37	11.8	11CD

Terminal Lug, Compression 6505.20

High-strength aluminum alloy.

Compression terminal lugs for Aluminum Conductor Steel-Reinforced (ACSR) and All Aluminum Conductor (AAC) conductors

Terminal lugs are used to connect ACSR or AAC jumpers to the tongue of deadend compression connectors. See SCL 6501.15; “Connectors, Compression, Deadend.”

Deadend tongues and terminal pads are each constructed with a 15-degree angle, which permits the terminal connector to be bolted in either the straight or the 30-degree position.

Stock Unit: EA

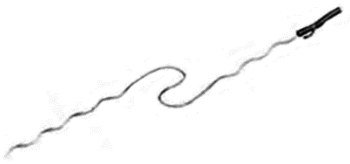
Stock No.	Conductor Size (kcmil)	Conductor Code Word	Stranding	Terminal Length (L) (in)	Pad Thickness (A) (in)	Die Size
651220	477 ACSR	Hen	30/7	10.4	0.4	11CD
	795 AAC	Arbutus	37			
651222	795 ACSR	Mallard	30/19	12.0	0.6	14CD
651224	795 ACSR	Drake	26/7	11.0	0.4	12CD
	954 AAC	Goldenrod	61			
651229	954 ACSR	Rail	45/7	11.2	0.5	13CD

Tie, Insulator 6588.15

Aluminum covered steel.

Insulator ties are used to secure AAC or ACSR conductors to overhead distribution insulators.

Stock No. 658950 is used to secure 4/0 AAC neutral wires to 1-3/4-inch diameter spool insulators.



Stock Unit: EA

Stock No.	Conductor Diameter Range (in)	Conductor Size (kcmil/AWG)	Insulator Type	Tie Position	Applied Length (in)	Color Code
013564	0.756–0.858	477	F-neck	Top	33	Red
658950	0.629–0.712	Jacketed 4/0	Spool	N/A	24	Blue
658979	0.666–0.755	397.5	F-neck	Top	32	Brown
658991	0.666–0.755	397.5	F or C-Neck	Double Side	20	Brown
658993	0.666–0.755	397.5	F-neck	Side	25	Brown
658981	0.666–0.755	397.5	F or C-Neck	Double Top	18	Brown

Armor Rod, Formed 6589.1

For protecting ACSR against vibration damage.

Stock Unit: ST

Stock No.	Size (kcmil)	Strands	Conductor Code Word	Diameter	Length
658915	795	30 X 19	Mallard	0.310	100–S (single support)
658920	795	30 X 19	Mallard	0.310	124–D (double support)

Lineguard, Formed Aluminum 6589.3

Used to protect conductor from tie wire abrasion, flashover, as tap armor, and to repair strand damage.

Stock Unit: EA

Stock No.	Conductor Code Word	Size (kcmil)	Diameter (in)
658935	Chickadee	397.5	0.743
658944	Mallard	795	1.140
658940	Arbutus	795	1.026
658946	Rail	954	1.165

Splice, Preformed 6591.8

For ACSR or all aluminum conductors.

Stock Unit: EA

Stock No.	Conductor Code Word	Conductor Size (kcmil)	Diameter (in)
659195	Chickadee	397.5	0.743
012592	Ibis	379.5	0.783
659197	Arbutus	795	1.026
659194	Mallard or	795	1.140
	Rail	954	1.165

Midspan Tap, Neutral 6596.40

Use with 5/8" x 4-1/2" bolt, lock washer, and nut.

Stock Unit: EA

Stock No.	Main	Tap
651110	1/0 ACSR to 3/0 Str.	#4 Str. to #2 ACSR

Clamp, Parallel-Groove, Aluminum, Single-Bolt 6620.05

Parallel-groove clamps are used to connect different-sized secondary copper or aluminum conductors for overhead secondary service

Product details:

- High-strength aluminum alloy material
- Assembled with stainless steel or hot-dipped galvanized (HDG) hardware (bolt, split-lock washer, and nut)
- Parallel grooves for conductor sizes: Main: #6 AWG to 1/0; Tap: #6 AWG to #2 AWG
- Grooves factory-filled with a measured amount of oxide-inhibiting compound

Stock Unit: EA

Stock No.: 652020

Clamp, Aerial Cable Messenger 6620.55

Clamps are used to secure the aerial cable messenger and aerial self-support duct to wood poles.

Clamps require a 5/8 in x 14 in bolt, lock washer and nut to install.

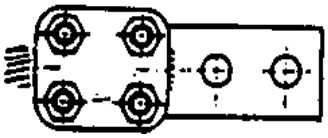
Product details:

- Ductile iron material
- Hot-dip galvanized
- Messenger diameter range (in): 7/32–9/16

Stock Unit: EA

Stock No.: 581348

Connector, Terminal, Cable or IPS to Flat 6677.1

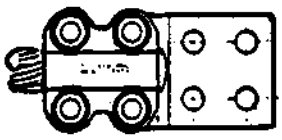


Copper substation, bolted.

Stock Unit: EA

	Conductor Size (AWG or kcmil)	
Stock No.	**Cable**	**IPS**
667786	#2 solid to 800	1/4" to 3/4"

Terminal, Tubing to Flat, IPS Type 6677.1



Copper substation, bolted.

Stock Unit: EA

Stock No.	**IPS**
661241	1-1/4"
661244	1-1/2"

Connector, Terminal, Bolted, Bronze, Stud to Flat 6677.21

Bolted terminal connectors are used to connect threaded or plain copper studs to flat 4-hole NEMA pads or flat bars.

Bolted terminal connectors may be used on equipment up to 230 kV.

Stock Unit: EA

Stock No.	Stud Diameter (in)	Style
671372	1-1/2	Standard
671375	1-1/2	90-degree, vertical
671415	3	Standard
011363	3	90-degree, vertical

Terminal, Lug 6688.3

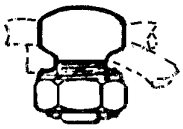
For underground vault service.

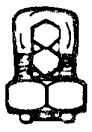
Stock Unit: EA

	Cable Range	
Stock No.	Minimum	Maximum
668810	2/0	4/0
668811	4/0	300
668812	300	500
668813	500	750

Connector, Copper-Bolted, Split Bolt Tap, Parallel Type 6688.7

Body, nut and retainer made from high-strength bronze alloy.





Stock Unit: EA

	Conductor Size (AWG), Maximum	
Stock No.	Solid	Stranded
668860 E	#10	#12
668861 E	#8	#8
668862 E	#6	#7

Connector, Service Post, Bronze 6689.03

Service post connectors are used to connect a single conductor to an external threaded stud.

Service post connectors are used for overhead and underground ground connections for steel structures, transformers, bus bars, and equipment.

Service post connectors are installed on the top and bottom, 3/8-16 threaded stud terminals of distribution system metal oxide arresters to facilitate the connection of primary and grounding conductors.

Product details:

- Made of high strength bronze or copper alloy
- Split bolt design with hex nut
- Hex body
- Female thread
- Physical design and dimensions in according Table 4 and Figure 4.
- Suitable for direct burial in earth or concrete

Stock Unit: EA

Stock No.: 668872

Connector, Bolted, Flat to Rod 6689.06

Connectors are used to connect primary cable termination pins (rods) to the flat terminal pads of padmount switches or apparatus.

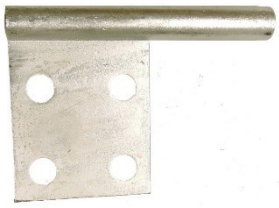
Product details:

- Bronze body (two clamp halves)
- Tin-plated
- Include two galvanized steel bolts, two Belleville washers and two nuts
- Accommodate single #2 to 500 kcmil stranded copper or aluminum conductor or pin (rod).

Stock Unit: EA

Stock No.: 661255

Transformer Connector, Multiple Tie, Copper 6689.09



Transformer connectors, also known as “flags” are used to connect multiple copper conductors to a single transformer secondary terminal.

Transformer connectors are placed in the secondary terminal with the flag above or below the terminal, preferably below, to keep the conductors out of the way.

Transformer connectors are used in conjunction with either SCL Stock No. 676120 or 676123.

Product details:

- Made of copper or copper alloy
- Tin-plated
- Four-hole NEMA pad
- Contact surface on both sides of pad
- Pin diameter 3/4"

Stock Unit: EA

Stock No.: 676150

Connector, Tap, Parallel Type 6691.5

These connectors mechanically connect parallel cables together with a slotted hex bolt/screw.

Stock Unit: EA

Stock No.	Cable Size, Maximum (AWG)
669138 E	#10 Str.
669140 E	#4 Str.
669141 E	#2 Str.

Connector, Tap, Parallel Groove, Two-Bolt 6693.5

Aluminum. Suitable for Al to Al and Al to Cu.

Stock Unit: EA

Stock No.	Main	Tap
651132	4/0 to 336.4 kcmil ACSR	#6 AWG to 336.4 kcmil ACSR
651134	336.4 to 715.5 kcmil ACSR	3/0 to 715.5 kcmil ACSR

Connector, Copper-Bolted, Two-Bolt Tap, Parallel Type 6693.70

Body and clip cast from high strength bronze.

A lock washer is fitted on each bolt.

Stock Unit: EA

	Conductor Range (AWG or kcmil)			
	Run		Tap	
Stock No.	Min.	Max.	Min.	Max.
669379 E	#2 str	2/0 str	#6 sol	2/0 str
669380 E	1/0 str	4/0 str	#10 str	4/0 str
669381 E	250	350	#10 str	350
669382	400	500	#10 str	500
669383	400	800	3/0 str	800
669384	500	1000	3/0 str	1000

Vise Jaw Connector 6693.80

Bronze.

Stock Unit: EA

Stock No.	Conductor Size (AWG or kcmil)
012173 E	#4
012171 E	#2 stranded
012169 E	2/0 stranded
012170 E	4/0
012172	500

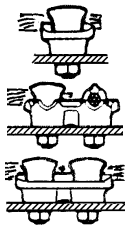
Bolted Terminal 6761.1

Bronze alloy. Used for connecting a copper cable directly to a flat copper pad. Recommended for power or grounding applications.

For connecting to copper bus only. Not to be used with aluminum bus.

Stock Unit: EA

	Cable Range (AWG or kcmil)	
Stock No.	**Minimum**	**Maximum**
676102	#8 Solid	#2/0 str
676104	#6 Solid	250
676115	#8 Solid	#2/0 str
676117	#6 Solid	250
676120	#1/0 Solid	500
676123	#2/0 Solid	1000



Overhead Transformer Grounding Clamp 6762.10

Used to replace damaged ground clamps on units returned from the field.

Stock Unit: EA

Stock No.	**Stud Size (in)**	**Wire Size (AWG)**
676200	1/2” x 13 NC	#8 sol. to 2/0 str

Ground Rod Clamp, 5/8-in 6762.15

All-stainless-steel clamp to connect a ground lead conductor to a ground rod.

Stock Unit: EA

Stock No.	**Ground Rod Diameter (in)**	**Wire Size (AWG)**
564012	1/2 to 5/8	#10 to #2

Ground Rod Clamp, 3/4-in 6762.20

Bronze alloy clamp to connect a ground lead conductor to a 3/4-in diameter ground rod or #4 rebar.

Stock Unit: EA

Stock No.	Ground Rod Diameter (in)	Wire Size (AWG)
013283	3/4	#8 to 1/0

Ground Rod, Copper-Covered, Sectional 6762.25

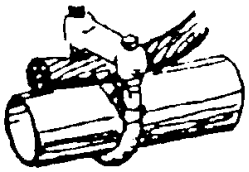
Rods are cold-finished carbon steel. Couplings are high-strength, corrosion-resistant bronze, internally threaded to fit standard rods. Driving studs are high-strength, hardened steel.

Stock Unit: EA

Stock No.	Item	Diameter (in)	Length (ft)
564235	Rod	5/8	5
564238 E	Rod	5/8	8
564260	Rod	3/4	10
564074	Coupling	5/8	–
564075	Coupling	3/4	–
564604	Stud	5/8	–
013282	Stud	3/4	–

Connector, Grounding, Cable to IPS or Rod 6762.7

One or more conductors, bolted type.

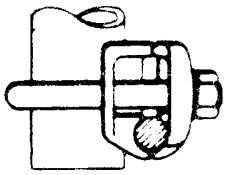


Stock Unit: EA

Stock No.	IPS (in)	Cable Size Range (AWG/kcmil)
676389	2	2/0 sol. to 250
676392	2-1/2	#4 sol. to 2/0 str
676393	2-1/2	2/0 sol. to 250
676398	3	2/0 sol. to 250
676410	4	2/0 sol. to 250

Connector, Grounding, Cable to Pipe or Rod — 6762.7

Parallel or 90 degrees, bolted type.

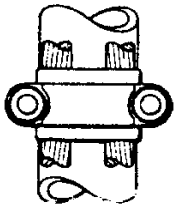


Stock Unit: EA

Stock No.	Rod or Pipe (in)	Cable Size Range AWG/kcmil
676254	5/8 to 3/4 rod	#4 sol. to 2/0 str
676255	5/8 to 3/4 rod	2/0 sol. to 250
676271	1-1/4 IPS	#4 sol. to 2/0 str
676277	1-1/2 IPS	#4 sol. to 2/0 str
676283	2 IPS	#4 sol. to 2/0 str
676285	3 IPS	#4 sol. to 2/0 str
676286	4 IPS	#4 sol. to 2/0 str
676287	5 IPS	#4 sol. to 2/0 st.

Connector, Grounding, Two Cables to Pipe, Rod, or Conduit — 6762.7

Parallel or 90 degrees, bolted type.

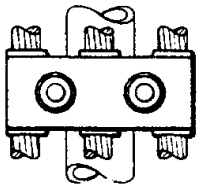


Stock Unit: EA

Stock No.	Rod or Pipe (in)	Cable Size Range (AWG)
676551	5/8 to 3/4 rod	#4 sol. to 2/0 str

Connector, Grounding, Three Cables to Pipe or Rod — 6762.7

For grounding three equal cables to driven rod or pipe.



Stock Unit: EA

Stock No.	Rod or Pipe (in)	Cable Size Range (kcmil)
676427	5/8 to 3/4 rod, 3/8 IPS	300 to 500

Clamp, Grounding, Pipe and Electrode 6762.75

Used to connect copper ground wire to copper water pipe, galvanized pipe, steel conduit, or grounding electrodes.

Clamps are for above-ground application only.

Stock Unit: EA

Stock No.	Electrode or Pipe Diameter (in)
733566	1/2 to 1
733567	1-1/4 – 2
733568	2-1/2 - 4

Connector, Ground Grid, Wedge, Shear-Bolt 6762.77

Connector consists of a shear-head bolt, a wedge, a body and nest. Bronze.

Used to create an irreversible connection between conductor to conductor or conductor to ground rod in substation ground grids.

Connectors are installed with a common ratchet or socket wrench. When the connection is tightened to the proper torque, the bolt head shears off, giving a positive visual indication of a completed connection.

Stock Unit: EA

	Cable Size (AWG/kcmil)	
Stock No.	Run A	Run B
677510	4/0	4/0
677514	350	350
677512	500	500

Connector, Grounding, Crossed-Cables, Bronze 6762.81

Used to connect crossing copper ground conductors.

Connectors are suitable for burial in soil or concrete.

Torque hardware to 20 ft-lb.

Product details:

- Casting made of bronze or copper alloy
- Silicon bronze or stainless-steel hardware, (U-bolts, split lock washers, and nuts)
- U-bolt diameter 3/8-inch

Stock Unit: EA

	Conductor Range, AWG/kcmil	
Stock No	Groove A	Groove B
676644	#4 to 2/0	#4 to 2/0
676647	2/0 to 250	2/0 to 250

Exothermic Connection System, Electronic Control Unit (Ignition Tool) 6762.90

Electronic Control Unit (ignition tool), battery-powered, with 6-ft lead, for exothermic connection system consisting of weld metal, molds, tools, and accessories. The ignition tool is designed to make 600 connections on one set of eight standard AA batteries.

Exothermic connection systems are used to form permanent, low resistance; highly reliable, welded electrical connections that may be direct buried or embedded in concrete. The term exothermic means the process gives off heat.

Commonly used to construct power station ground mats where it is not practical to inspect connections or easily repair failing connections.

Exothermic connection systems have long been referred to as Cadweld®; however Cadweld® is just one manufacturer of many such systems. Individual components between suppliers may or may not be interchangeable.

Molds are available in a wide variety of configurations for a wide variety of applications. Butt splice molds are used to create water blocks in stranded ground cables entering vaults. One mold should last about 50 connections, after which it should be replaced.

Reusable items may be obtained from the warehouse General Section or possibly the Tool Room.

Refer to SCL 6762.90 or SCL 0468.90 for installations instructions and other useful information available at the manufacturer's website.

For copper conductor only.

Stock Unit: EA

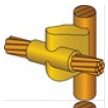
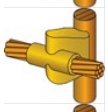
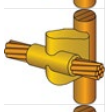
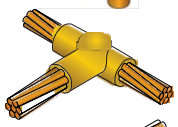
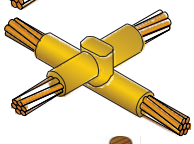
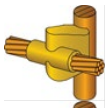
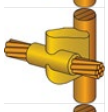
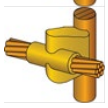
Stock No.: 013335

Exothermic Connection System, Molds, Shots, and Clamp Handles 6762.90

See Exothermic Connection System Control Unit entry for system description and application.

Molds are available in a wide variety of configurations for a wide variety of applications. Butt splice molds are used to create water blocks in stranded ground cables entering vaults. One mold should last about 50 connections, after which it should be replaced. See material standard for more information.

Stock Unit: EA

Stock No.	Description		Stock No.	Stock No.	Marking	Color Code
013557	4/0 stranded wire butt splice		013336	013560	90PLUSF20	Gray
013339	250 kcmil wire butt splice		013336	013338	115PLUSF20	Orange
013401	500 kcmil wire butt splice		013336	013399	200PLUSF20	Yellow
013402	250 kcmil wire to 5/8-in ground rod		013336	013398	150PLUSF20	Dk Blue
013403	500 kcmil wire to 5/8-in ground rod		013397	013400	400PLUSF20	Brown
013441	250 kcmil wire to 3/4-in ground rod		013336	013399	200PLUSF20	Yellow
013442	500 kcmil wire to 3/4-in ground rod		013397	013440	500PLUSF20	Lt Brown
013558	4/0 stranded wire, all way, horizontal Tee connection		013336	013398	150PLUSF20	Dk Blue
013559	4/0 stranded wire, all way, lapped, horizontal X connection		013336	013561	250PLUSF20	Purple
013580	#2 AWG stranded wire to 5/8-in ground rod		013336	013560	90PLUSF20	Gray
013581	#4 AWG solid wire to 5/8-in ground rod		013336	013560	90PLUSF20	Gray
013585	2/0 stranded wire to 5/8-in g round rod		013336	013560	90PLUSF20	Gray

Exothermic Connection System, Single-Use Kit 6762.95

Exothermic connection systems are used to form permanent, low resistance; highly reliable, welded electrical connections that may be direct buried or embedded in concrete. The term “exothermic” means the process gives off heat.

Single-use exothermic connection systems are referred to as Cadweld® Plus One Shot; however, Cadweld® is just one of many manufacturers of such systems. Components from different suppliers may or may not be interchangeable.

Single-use, exothermic connection system kits are designed to join copper conductors to other copper conductors or plain cooper-bonded, threaded copper bonded, full-size galvanized or stainless-steel ground rods.

Single-use exothermic connection system kits are used in tight locations or hard-to-reach areas. For copper conductor only.

Each kit includes:

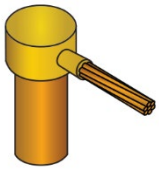
- One refractory ceramic body mold
- One weld metal capsule
- One set of instructions

See SCL 6762.90 for Exothermic Connection Systems with a wide variety of reusable, graphite molds, weld metals, and an electronic control unit.

Kit contains everything required to make one connection (ceramic mold and weld metal) with the exception of the electronic control unit (Stock No. 013335). See SCL 6762.90.

Stock Unit: EA

	Conductor Size		
Ground Rod Diameter, Nominal (in)	**Solid**	**Stranded**	**Connection Configuration**
5/8	#4, #3	#6, #4	One conductor to top of ground rod



Connector, Grounding, Cable to Flat Bar 6766.1

This is a mechanical grounding connector for use with connecting one cable to 1/4" thick bar.

For connecting to copper bus only. Not to be used with aluminum bus.

Stock Unit: EA

Stock No.	Cable Size (AWG/kcmil)
676674	#4 sol. to 2/0 str
676675	2/0 sol. to 250
676676	300 to 500

Connector, Grounding, Cables to Flat Bar 6766.1

This is a mechanical grounding connector for use with connecting two cables to 1/4" thick bar.

For connecting to copper bus only. Not to be used with aluminum bus.

Stock Unit: EA

Stock No.	Cable Size (AWG/kcmil)
676694	#4 sol. to 2/0 str
676695	2/0 sol. to 250

Terminal Lug, Compression 6770.70

Tin-plated copper. Used to connect copper conductors to equipment terminals, bus, or grounds.

Stock Unit: EA

Stock No.	Conductor (AWG or kcmil)	Bolt Size (in)	No. of Holes	MD6	Y35/Y39
677065 E	#6	1/4	1	–	U5CRT
677069 E	#4	1/2	2	W161	U4CRT
677071 E	#2	1/2	1	W162	U2CRT
677072 E	#2	3/8	1	–	U2CRT
677075 E	1/0	1/2	1	W163	U25CRT
677077 E	2/0	1/2	1	W241	U26CRT
677079 E	3/0	1/2	1	W243	U27CRT
677081 E	4/0	1/2	2	W-BG	U28CRT
677083 E	250	1/2	2	W166	U29CRT
677085 E	300	1/2	2	–	U30CRT
677087 E	350	1/2	2	W-0	U31CRT
677091 E	500	1/2	2	–	U34CRT
677291 E	500‡	1/2	2	–	U34CRT
677096	600	1/2	2	–	U36CRT
677100	750	1/2	2	–	P39CRT¥
677110	1000	1/2	2	–	P44CRT¥

Notes:
‡ stacking lug
¥ use Y46 tool

Connector, Twist-Lock, Wing-Type 6771.10

Used to electrically connect two or more copper conductor pigtail ends. For use in dry locations only.

Used for connections up to 600 V in building wire or 1000 V in signs or lighting fixtures.

Product details:

- Insert made of zinc-plated steel
- Housing made of thermoplastic polyester
- Flammability rating: V2 per UL 94
- Flexible skirt
- Operating temperature up to 105 degrees Celsius

Stock Unit: EA

Stock No.	Wire Combination Range (AWG)
677180	2 #18 to 3 #12
677181	2 #14 to 5 #12
677182	3 #12 to 2 #8

Connector, Wire, Push-In Type 6771.12

Push-in-type wire connectors are used to electrically connect two or more solid or stranded copper conductors.

Connectors are not suitable for use with aluminum conductors.

Connectors are suitable for use with streetlight fixtures.

For use in dry locations only.

Product details:

- Voltage rating: 600 V
- Current rating: 30 A
- Insulation material: polycarbonate
- Color: transparent
- V2 flammability rating: V2 (per UL 94)
- Operating temperature: up to 105° C
- Test ports: two per connector
- Wire combination range (AWG): #20 to #10

Stock Unit: EA

Stock No.	Connection Points
015003	2
015004	3
015005	5

Connector, Wire, Set Screw Type 6771.15

Consist of a two-piece, pressure-type connector with a solid brass sleeve insert and screw-on insulating cap.

Used to create vibration-resistant splice connection of two or more copper conductors in dry locations only.

Used in circuits up to 600 V.

Product details:

- Thermoplastic insulating cap
- Flame-retardant cap rated at 150 degrees Celsius
- Slotted screw design
- Includes set screw

Stock Unit: EA

Stock No.	Wire Combination Range (AWG)
677194	2 #14 to 2 #10
677195	2 #18 to 2 #12

Ring Terminals and Butt Splices, Non-Insulated, Solderless Type 6771.20

Non-insulated ring terminals and butt splices are installed on the ends of low voltage conductors and secured with a hand-operated crimping tool. Design provides a low cost, reliable electrical connection.

Non-insulated ring terminals and butt splices do not have a voltage or temperature rating.

Not appropriate for direct burial, where strain relief is required, or where long-term vibration may occur. If wire strain relief or vibration resistance is required, use insulated terminals, SCL 6771.30. If a greater selection is desired, insulated terminals may be substituted for non-insulated ones.

Stock Unit: EA

Stock No.	Description	Wire Size Range (AWG)	Stud Size Stud (#/in)
677141	Ring terminal, standard duty	#22-#18	#10
677144	"	#16-#14	#10
667145	"	#16-#14	1/4
677159	"	#12-#10	#10
677161	"	#16-#14	1/4

677169	Ring terminal, heavy duty	#12-#9	#12-#10
013515	"	#12-#10	#10
677189	"	#12-#10	1/2
677187	"	#6	1/2
677193	"	#4	5/8
677188	"	#2	5/8

677390	Butt-splice, standard duty	#22 - #18	n/a
677391	"	#16 - #14	"
677425	"	#12 - #10	"

Ring Terminals and Butt Splices, Insulated, Solderless Type — 6771.30

Insulated compression terminals and butt splices with color-coded insulation support.

Ring terminals and butt splices are installed on the ends of low voltage conductors and secured with a hand-operated crimping tool. Design provides a reliable electrical connection and wire strain relief.

Ring terminals are intended for use with a wide range of insulated control cable, metering, switchboard, streetlight, automotive, and appliance wire. Not appropriate for direct burial. Industry standard color-coding indicates intended wire range.

Stock Unit: EA

Stock No.r	Description	Wire Size Range (AWG)	Stud Size Stud (# /in)	Insulation Color
677172	Ring terminal	#22 - #18	#4	Red
677174	"	#22 - #18	#6	"
677173	"	#22 - #18	#8	"
677175	"	#22 - #18	#10	"
677177	"	#22 - #18	1/4	"
677178	"	#22 - #18	5/16	"
677154	"	#16 - #14	#4	Blue
677155	"	#16 - #14	#6	"
014906	"	#16 - #14	#6, long tongue	
677156	"	#16 - #14	#8	"
677157	"	#16 - #14	#10	"
677151	"	#16 - #14	1/4	"
677176	"	#12 - #10	#6	Yellow
677164	"	#12 - #10	#8	"
677160	"	#12 - #10	#10	"
677165	"	#12 - #10	1/4	"
677166	"	#12 - #10	5/16	"
677167	"	#12 - #10	3/8	"
677170	Female disconnect terminal	#16 - #14	677170	Blue
014980	Male disconnect terminal	#16 - #14		Blue
014981	Female disconnect terminal	#22 - #18		Red
014982	Male disconnect terminal	#22 - #18		Red
677384	Butt splice	#22 - #18		Red
677386	"	#16 - #14		Blue
677392	"	#12 - #10		Yellow

Terminals, Spade, Insulated Solderless Type 6771.30

Insulated compression terminals with color-coded insulation support.

Terminals are installed on the ends of low voltage conductors and secured with a hand-operated crimping tool. Design provides a reliable electrical connection and wire strain relief. Terminals are intended for use with a wide range of insulated control cable, metering, switchboard, streetlight, automotive, and appliance wire. Terminals are not appropriate for direct burial. Industry standard color-coding indicates intended wire range.

Stock Unit: EA

Stock No.	Description	Wire Size Range (AWG)	Stud Size Stud #	Insulation Color
677184	Fork terminal	#22 - #18	#6	Red
677190	"	#16 - #14	#6	Blue
677191	"	#16 - #14	#10	Blue
677196	"	#12 - #10	#6	Yellow
677197	"	#12 - #10	#10	Yellow
677185	Flanged fork terminal	#22 - #18	#6	Red
677186	"	#22 - #18	#8	Red
677192	"	#16 - #14	#6	Blue
677200	Short spade tongue	#22 - #18	#6	Red
677201	"	#22 - #18	#8	Red
677206	"	#16 - #14	#6	Blue
677210	"	#12 - #10	#6	Yellow
677211	"	#12 - #10	#8	Yellow
677207	Long spade tongue	#16 - #14	#8	Blue
677212	"	#12 - #10	#10	Yellow
677213	"	#12 - #10	1/4	Yellow

Ferrule, Insulated 6771.32

Soft, tin-plated electrolytic copper with plastic sleeve.

Insulated ferrules are installed on the ends of low voltage conductors and secured with a hand-operated crimping tool. Design provides a reliable electrical connection.

Insulated ferrules are for use in stations in Phoenix Contact UT 4-Quattro terminal blocks. See SCL 6771.45.

Blue ferrules are for use with #14 AWG conductors. Gray ferrules are for use with #12 AWG conductors.

Stock Unit: EA

Stock No.	Description
014907	#14 AWG, blue, 17 mm length
014915	#12 AWG, gray, 17 mm length

DIN Rail 6771.45

DIN rail modular terminal block systems are used in stations.

DIN rail modular terminal block systems require significantly less space for the same functionality as traditional terminal blocks.

Components can be mixed or matched with complete compatibility. Other companies manufacture DIN rail modular terminal block systems, but their components are not necessarily compatible with the components cited in this standard.

See standard for specific applications, voltage and current ratings, etc.

Stock Unit: EA

Stock No.	Description
012609	DIN Rail, unperforated: NS 35/15 AL 2000MM

DIN Rail Terminal Blocks, RT 3 and RT 5 6771.45

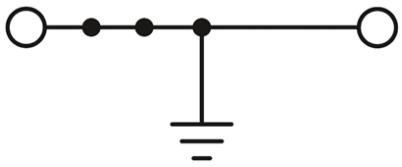
DIN rail modular terminal block systems are used in stations.

DIN rail modular terminal block systems require significantly less space for the same functionality as traditional terminal blocks.

Components can be mixed or matched with complete compatibility. Other companies manufacture DIN rail modular terminal block systems, but their components are not necessarily compatible with the components cited in this standard.

See standard for specific applications, voltage and current ratings, etc.

Stock Unit: EA

Stock No.	Description	Circuit Diagram	
014892	Bolt Connection Terminal Block: RT 3		
014893	Bolt Connection Terminal Block: RT 5		
014904	Bolt Connection Terminal Block: RT 5-P		

DIN Rail Terminal Blocks, UT 4 — 6771.45

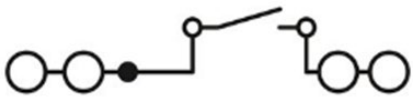
DIN rail modular terminal block systems are used in stations.

DIN rail modular terminal block systems require significantly less space for the same functionality as traditional terminal blocks.

Components can be mixed or matched with complete compatibility. Other companies manufacture DIN rail modular terminal block systems, but their components are not necessarily compatible with the components cited in this standard.

See standard for specific applications, voltage and current ratings, etc.

Stock Unit: EA

Stock No.	Description	Circuit Diagram	
014900	Knife Disconnect Terminal Block: UT 4-QUATTRO-MT P/P		
014901	Knife Disconnect Terminal Block: UT 4-QUATTRO-MT P/P BU		
014902	Feed-Through Terminal Block: UT 4-QUATTRO		
014903	Feed-Through Terminal Block: UT 4-QUATTRO-BU		

DIN Rail Fuse Blocks and Plugs 6771.45

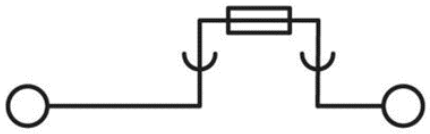
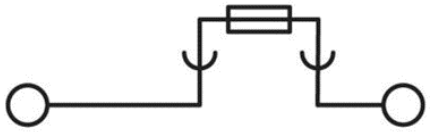
DIN rail modular terminal block systems are used in stations.

DIN rail modular terminal block systems require significantly less space for the same functionality as traditional terminal blocks.

Components can be mixed or matched with complete compatibility. Other companies manufacture DIN rail modular terminal block systems, but their components are not necessarily compatible with the components cited in this standard.

See standard for specific applications, voltage and current ratings, etc.

Stock Unit: EA

Stock No.	Description	Circuit Diagram	
012611	Fuse Modular Terminal Block: USIG		
014891	Fuse Modular Terminal Block: UK 10, 3 HESI N		
012612	Fuse Plug: ST-SI	n/a	

DIN Rail End Clamps and Covers 6771.45

DIN rail modular terminal block systems are used in stations.

DIN rail modular terminal block systems require significantly less space for the same functionality as traditional terminal blocks.

Components can be mixed or matched with complete compatibility. Other companies manufacture DIN rail modular terminal block systems, but their components are not necessarily compatible with the components cited in this standard.

See standard for specific applications, voltage and current ratings, etc.

Stock Unit: EA

Stock No.	Description
014905	End Cover: D-UT 2,5/4-QUATTRO

014910	End Clamp: E/NS 35 N

014896	End Cover: D-RT 3/

DIN Rail Markers and Carriers 6771.45

DIN rail modular terminal block systems are used in stations.

DIN rail modular terminal block systems require significantly less space for the same functionality as traditional terminal blocks.

Components can be mixed or matched with complete compatibility. Other companies manufacture DIN rail modular terminal block systems, but their components are not necessarily compatible with the components cited in this standard.

See standard for specific applications, voltage and current ratings, etc.

Stock Unit: EA

Stock No.	Description
014894	Marker for Terminal Blocks: UCT-TM 6

014895	Marker for Terminal Blocks: UCT-TM 8

014897	Marker for Terminal Blocks: UCT-TM 12

014899	Marker for Terminal Blocks: UCT-TMF 10

014898	Terminal Strip Marker Carrier: KLM-A

Ink Ribbon, Thermomark Printing System 6771.47

Ink ribbons are used for printing labels on shrink sleeves and marker cards used with the terminal block system elements.

Thermomark Roll printers print on the shrink sleeves. Thermomark Card printers print on marker cards.

See SCL 6771.49 for shrink sleeve requirements. See SCL 6771.45 for marker card requirements.

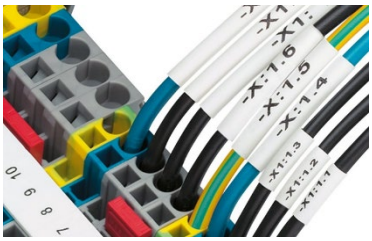
Stock Unit: EA

Stock No.	Description
014936	Ink ribbon for Thermomark Roll 2.0 printer
014937	Ink ribbon for Thermomark Card 2.0 printer

Labels, Printable Shrink Sleeve, Thermomark Printing System 6771.49

Shrink sleeve printable labels are used to mark cables in substations.

Thermomark Roll 2.0 printers are used to print on the shrink sleeves.



Stock Unit: FT

Stock No.	Description
014933	Shrink Sleeve Label, 2.1 mm to 6.4 mm Cable Diameter
014934	Shrink Sleeve Label, 4.2 mm to 12.7 mm Cable Diameter
014935	Shrink Sleeve Label, 8.5 mm to 25.4 mm Cable Diameter

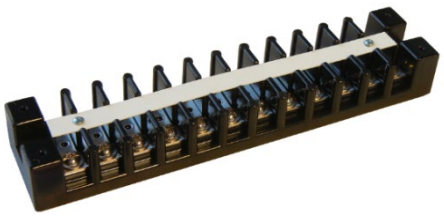
Terminal Block, Heavy Duty 6771.50

Heavy-duty terminal blocks are used primarily for installations of short-circuiting bars and multiple-circuit jumpers in station control houses.

The manufacturer recommends a screw torque of 20 ft-lbs.

Voltage rating: 600 Vdc and Vac (max.).

Current rating: 30 A (max.) for unprepared #10 – 22 AWG copper wire; 75 A (max.) for crimp-type ring, spade or fork terminal.



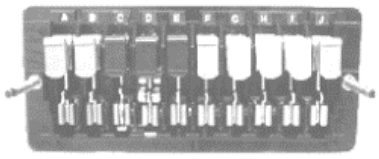
Stock Unit: EA

Stock No.	Description
290308	8-pole terminal block
290309	8-pole terminal block marking strip
290310	12-pole terminal block
290311	12-pole terminal block marking strip

Test Switch, 600 V, 30 A, 10-Position 6771.72

Test switches provide a safe, simple, fast, and reliable method to isolate, test, and service installed equipment without disturbing the system.

Switch is rear-connected and semi-flush mounted.



Stock Unit: EA

Stock No.	CT	PT
012647	0	10
012649	3	4

Pigtail Adapter 6772.00

Used to:

- Join aluminum conductor to equipment terminals designed for copper conductor.
- Terminate and seal stranded primary cable when used in conjunction with primary terminations.
- Simplify work by allowing more flexibility when terminating cable in equipment in straight-on (or slight angle) situations, such as padmount switchgear.

Pigtail adapters are appropriate for secondary or primary voltage application and may be installed on aluminum or copper conductor.

Stock Unit: EA

				Tool and Die		
Stock No.	**Conductor Size**		**MD-6**	**Y35-&39**	**Y46**	
686076	#8 AWG compressed		BG, 5/8	U-BG, U-5/8	–	
686056	#1 AWG compressed or 1/0 solid		–	UK840	–	
650578	350 kcmil compact or compressed		–	U31ART	–	
650579	500 kcmil compact or compressed		–	U34ART	–	
686075	750 kcmil compact		–	–	P39ART	
010320	1000 kcmil compact or compressed		–	–	–	
677336	1	250–300	#6-2/0	–	–	Pink 99H (2)

Connector, Pressure Tap, Copper 6773.5

Used to make a variety of overhead and underground connections.

Figure 1

Figure 2

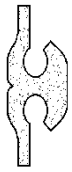


Figure 3

Stock Unit: EA

		Cable Size (AWG or kcmil)		Tool and Die		
Stock No.	**Figure**	**Run**	**Tap**	**MD-6**	**Y35/39**	**T&B**
677323 E	1	#4	#4	W-BG (2)	U-BG (1)	T&B dies fit
677325 E	2	#2	#4	W-C (2)	U-C (1)	Y-39
677326 E	1	#2	#2	W-C (2)	U-C (1)	–
677329 E	1	1/0–2/0	1/0–2/0	–	U-O (1)	–
677330 E	3	2/0–4/0	#4	–	U-D3 (1)	–
677331 E	3	2/0–4/0	2/0–1/0	–	U-D3 (1)	–
677332 E	3	2/0–4/0	2/0–4/0	–	U-D3 (1)	–
677333	1	250–350	#1-3/0	–	–	Black 106H (2)

Splice, Compression 6773.8

Tin-plated copper. Intended primarily for connecting underground cables.

Stock Unit: EA

		Tool and Die	
Stock No.	**Conductor Size (AWG or kcmil)**	**MD-6**	**Y35/39**
677354 E	#6		U5CRT(2)
677355 E	#4	W161(2)	U4CRT(2)
677357 E	#2	W162(2)	U2CRT(2)
677358	#1		U1CRT(2)
677359	1/0	W163(2)	U25CRT(2)
677360	2/0	W241(2)	U26CRT(2)
677361	3/0	W243(2)	U27CRT(2)
677362	4/0	W-BG(2)	U28CRT(2)
677363	250		U29CRT(2)
677364	300		U30CRT(2)
677365	350		U31CRT(2)
677367	500		U34CRT(2)
677371	750		P39CRT(2)[a]
677373	1000 CR		P46RT[a]

[a] = use Y46 tool

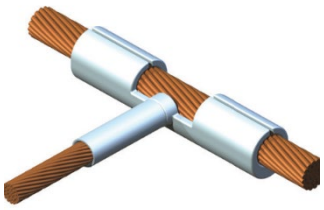
Connector, Tee, Compression, Bronze 6773.57

Tin-plated, copper alloy.

Run member tapped tabs are U-shaped before compression.

Tee connectors are used to make a tap connection to a continuous run of copper cable.

Tee connectors are installed with Y35/39 Die U34CRT or U28CRT.



Stock Unit: EA

Stock No.	Run	Tap
679648	500	4/0 Stranded

Connector, Thin-Wall, Pressure-Tap, Copper 6773.61

Used to make a variety of overhead and underground connections.

Product details:

- 600 V rated
- Made from high conductivity, wrought copper
- Range-taking
- Color-keyed for ease of identification and installation

Stock Unit: EA

Stock No.	Run (AWG)	Tap (AWG)	Color Code	Wire Strip Length (in)
013633	#4 #3 #2	#4 #5 #12–#6	Pink	1-13/16
013634	#6 #5, #4	#8–#6 #12–#8	Brown	1-3/16
013635	#8 #6	#12–#8 #12–#10	Gray	5/8

Splice, Compression, Tapered, Oil-Stop, Copper 6774.05

Body of the connector made from tinned, high conductivity, seamless, annealed copper.

Stock Unit: EA

Stock No.	Conductor Size (AWG or kcmil)	Tool and Die	
		MD-6	Y35/39
677300	#4	W161	U4CRT
677303	#1	–	U1CRT
677304	2/0	W241	U26CRT
677306	3/0	W243	U27CRT
677309	300	–	U30CRT
677310	350	–	U31CRT
677311	500	–	U34CRT

Splice, Aluminum or Copper 6774.1

Aluminum secondary compression splice.

Stock Unit: EA

		Tools and Dies	
Stock No.	**Wire Size (kcmil)**	**Y35/Y39**	**Y46**
650609	350	U34ART (4)	U31ART (4)[a]
650611	500	U34ART (2)	U31ART (4)[a]
650613	750 and 750CR	– U39ART (2)	P39ART (2) –

Note:
[a] = with adapter

Aluminum, Compression Terminal Connector, Secondary Lug, Stacking 6774.12

Aluminum compression terminal connectors are used to connect aluminum or copper cables to aluminum or copper equipment terminals or bus.

Stock Unit: EA

			Tool and Die	
Stock No.	**Conductor Size (AWG/kcmil)**	**Stud Size (in)**	**Y35/Y39**	**Y-46**
651276	4/0	1/2	U28ART	–
651277	350	1/2	U31ART	–
651278	500	5/8	U34ART	–
651279	750	5/8	–	P39ART

Secondary Lug, Non-Stacking 6774.12

Aluminum compression terminal connectors are used to connect aluminum or copper cables to aluminum or copper equipment terminals or bus.

Stock Unit: EA

			Tool and Die	
Stock No.	**Conductor Size (AWG/kcmil)**	**Stud Size (in)**	**Y35/Y39**	**Y-46**
651267	300	1/2	U30ART	–
651268	350	1/2	U31ART	–
651269	400	1/2	U32ART	–
651270	500	1/2	U34ART	–
651294	500	5/8	U34ART	–
651271	600	1/2	U36ART	–
651274	700	1/2	U39ART	–
651275	700	5/8	U39ART	–
651272	750	1/2	–	P39ART
651295	1000	1/2	T&B 15 ton - 140H	–
651296*	1000 (feeder only)	1/2	T&B 15 ton - 140H	–

* 4-Hole NEMA Pad

Connector, Compression, Aluminum H-Tap 6774.15

Range taking, aluminum H-Tap compression connector prefilled with oxide inhibitor; fold-in tab design. Compression connectors are for service drop, secondary or primary tap and grounding.

installations on all combinations of aluminum-to-aluminum, or aluminum-to-copper conductors. Connections are reversible.

These connectors are not appropriate for making up copper-to-copper connections

Stock Unit: EA

Stock No.	Main (AWG)	Tap (AWG)	Die
014320	#2–#6 ACSR, #2–#6 Str	#8–#14 Str	5/8, BG
014321	#2–#6 ACSR, #1–#6 Str	#2–#6 ACSR, #1–#6 Str	O
014322	1/0–#2 ACSR, 2/0–#2 Str	#2–#6 ASCR, #1–#6 Str	O
014323	2/0–1/0 ACSR, 4/0–3/0 Str	#2–#6 ACSR, #1–#6 Str	D, D3
014324	2/0–#1 ACSR, 4/0–2/0 Str	2/0–#1 ACSR, 3/0–1/0 Str	D, D3
014325	4/0–3/0 ACSR, 4/0 Str	#2–#6 ACSR, 1/0–#6 Str	D, D3
014326	4/0–3/0 ACSR, 4/0–3/0 Str	4/0–3/0 ACSR, 4/0–3/0 Str	D, D3
014384	4/0–3/0 ACSR, 4/0–3/0 Str	2/0–#1 ACSR, 2/0–#1 Str	D, D3

Splice, Al or Cu, Service Entrance, Insulated 6774.20

Insulated compression connectors may be used for aluminum-to-aluminum and aluminum-to-copper connections. Insulated compression connectors are typically used for overhead service entrance connectors.

Insulated compression connectors are prefilled with oxide inhibitor.

Insulated aluminum compression connectors are also known as service entrance splices.

Stock Unit: EA

	Conductor A				Conductor B			
Stock No.	Solid	Stranded	Color		Solid	Stranded	Color	
650554 E	#4	–	Blue		#6	#8	Green	
014189 E	#4	–	Blue		#4	–	Blue	
650557 E	#2	–	Orange		#6	#8	Green	
650558 E	#2	–	Orange		#4	–	Blue	
650559 E	#2	–	Orange		#2	–	Orange	
650561 E	#1	#2	Red		#6	#8	Green	
650562 E	#1	#2	Red		#4	#5 & #6	Blue	
650563 E	#1	#2	Red		#2	#3 & #4	Orange	
650564 E	#1	#2	Yellow		#1	#1 & #2	Red	
650565 E	#1	1/0	Yellow		#1	#1 & #2	Red	
650567 E	#1	1/0	Yellow		#4	–	Blue	
650568 E	#1	1/0	Yellow		#2	–	Orange	
650569 E	#1	1/0	Yellow		–	1/0	Yellow	

Wedge Connector, AMPACT Miniwedge 6774.25

Product details:

- Manufactured from extruded heat-treated aluminum
- Compatible with both aluminum and copper conductors
- Prefilled with an antioxidant inhibitor

Wedge connectors, consisting of a “C” body and a wedge, are used for non-tension, above-ground, aluminum to aluminum and aluminum to copper connections. Wedge connectors are intended for service drops and streetlight service taps, but they may also be applied up to 35 kV.

Wedge connectors are installed with parallel jaw pliers.

Stock Unit: EA

	Wire Size	
Stock No.	**Groove 1 (AWG/kcmil)**	**Groove 2 (AWG/kcmil)**
650400	#4	#10-14
650402	#2	#10-14
650404	1/0	#10-14
650406	4/0	#10-14
650410	#4	#4
650412	#2	#4
650414	#2	#2
012384	1/0	#4
650416	1/0	#2
650418	1/0	1/0
012385	2/0	#4
650420	2/0	#2
650422	4/0	#2
650424	4/0	1/0

Splice, ACSR Neutral 6774.30

Neutral messenger compression connectors are designed for service drops and short span overhead distribution lines. These connectors are typically used to splice the ACSR or AAC neutral messengers of triplex and quadruplex service conductors.

Neutral messenger compression connectors are prefilled with oxide inhibitor.

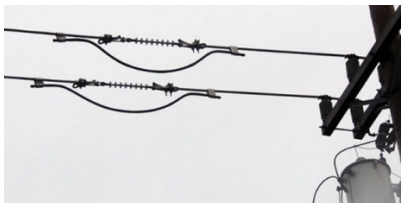
For splicing overhead service neutral messengers.

Neutral messenger connectors are also known as sleeves, neutral splices, or service entrance splicers.

Stock Unit: EA

Stock No.	**Wire Size**	**Color End Caps**
014204	#6 – ACSR/Str	Blue
650501	#4 – ACSR/Str	Orange
650502	#2 – ACSR/Str	Red
650503	1/0 – ACSR/Str	Yellow

Burndy Compression Connector Wedge Taps and Shells 6774.31



Compatible with both aluminum and copper conductors.

A compression connector wedge tap provides an electrical connection between a primary conductor and a tap conductor. Joined conductors may be aluminum or copper, or both. Wedge taps allow a tap to a primary conductor to power another tap conductor.

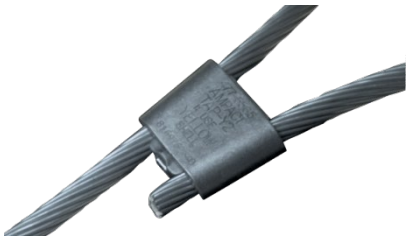
Wedge taps have a variety of applications. For example, they can be used as a single-phase or three-phase overhead primary line jumper, or to power a line switch to an underground termination pole.

Wedge taps are removable, which allows sections of the line to be isolated and de-energized if necessary.

Stock Unit: EA

		Size	
Stock No.	**Description**	**Run**	**Tap**
013610	Wedge	2/0	2/0
013611	"	4/0	4/0
013612	"	397.5 kcmil	#4 AWG
013613	"	397.5 kcmil	2/0
013614	"	397.5 kcmil	4/0
013615	"	300 kcmil ACSS - 397.5 kcmil	300 kcmil ACSS - 397.5 kcmil
013616	"	477 kcmil	500 kcmil
013617	"	477 kcmil	2/0-4/0
013618	"	4/0	#4 AWG
013619	"	954 kcmil	397.5 kcmil
013620	"	397.5 kcmil	397.5 kcmil
013621	"	4/0	#1 AWG–1/0
013622	"	#2 AWG	#2 AWG Cu
013623	"	1/0	#2 AWG Cu
013624	"	954 kcmil	954 kcmil
013625	"	954 kcmil	795 kcmil
013626	"	795 kcmil	795 kcmil AAC
013627	"	954 kcmil	500 kcmil Cu
013628	"	4/0	4/0
013629	Shell, blue	#2 AWG–300 kcmil	#6 AWG–300 kcmil
013630	Shell, red	#8 AWG –1/0	#8–#2 AWG
013631	Shell, yellow	266.8-1590 kcmil	#6 AWG–1590 kcmil

AMPACT Compression Connector Wedge Taps and Shells 6774.33



Compatible with both aluminum and copper conductors.

Compression connector wedge taps provide an electrical connection between a primary conductor and a tap conductor. Joined conductors may be aluminum or copper, or both. Wedge taps allow a tap to a primary conductor to power another tap conductor.

Wedge taps have a variety of applications. For example, they can be used as a single-phase or three-phase overhead primary line jumper, or to power a line switch to an underground termination pole.

Wedge taps are removable, which allows sections of the line to be isolated and de-energized if necessary.

Stock Unit: EA

Stock No.	Description	Wire Size
651101	Wedge	397.5 kcmil
750010	Shell, blue	2/0 to 350 kcmil
750012	Shell, red	#14 AWG to 1/0
750015	Shell, yellow	336.4 kcmil to 1192.5 kcmil
750016	Shell, white	#8 AWG to 1/0

Adapter, Reducing, Copper 6774.4

Used to reduce the socket size of standard compression connectors.

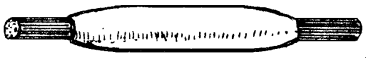
Made of high-conductivity copper, one-piece construction, tin coated.

Stock Unit: EA

	Size		
Stock No.	From	To	Length (in)
679775	3/0	#1	2
679778	350	#1	2
679780	350	3/0	2
679783	500	3/0	2-3/4
679785	500	350	2-1/2
679789	750	350	2-7/8
679790	750	500	2-7/8
679791	1000	750	3

Splice, Copper, Compression, Tapered 6774.6

Made from tinned, high conductivity, seamless annealed copper. For high voltage cable.



Stock Unit: EA

		Tool and Die	
Stock No.	**Conductor Size (AWG or kcmil)**	**MD-6**	**Y35/39**
677337	#1	–	U1CRT(2)
677338	1/0	W163(2)	U25CRT(2)
677340	3/0	W243(2)	U27CRT(2)
677341	4/0	W-BG(2)	U28CRT(2)
677343	300	–	U30CRT(2)
677345	350	–	U31CRT(2)
677347	500	–	U34CRT(2)
677348	600	–	U36CRT(2)
677349	750	–	P39CRT(2)[a]
677351	1000	–	S44RT(2)[a]

[a] = use Y46 tool

Splice, Tapered 6774.7

For conductors energized 4 kV or higher; Al-Al, Al-Cu, or Cu-Cu; oil stop; tin-plated.

Stock Unit: EA

		Tools and Dies	
Stock No.	**Conductor Size**	**MD-6**	**Y35/Y39**
650631	#1 Str. and 1/0 Sol.	W1CRT (2)	U1CART (2)
650632	1/0	W25RT (2)	U25ART (2)
650634	4/0	W28RT (2)	U28ART (2)
650637	350	–	U31ART (2)
650639	500	–	U34ART (4)
650641	750	–	P39ART (2)a

Splice, Compression, Reducing 6774.75

Used to join aluminum to copper conductors of different sizes in the underground secondary system.

Splices may be used for up to 35 kV.

Product details:

- Made of high-strength aluminum alloy
- Tin plated finish
- A center stop for proper cable insertion
- Factory-filled with a measured amount of oxide-inhibiting compound
- Dimensions as shown in Table 4 and Figure 4
- Sealed at each end to prevent leakage or contamination of the inhibitor

Stock Unit: EA

	Conductor Size (kcmil)				
Stock No.	**Barrel A**	**Barrel B**	**Y35, Y39, Y46**	**# of Crimps**	**Color Code**
650591	500	350	U34ART	4	Red
650593	750	500	P39ART -2	3	Pink

Aluminum Compression Terminal Connector, Secondary Lug — 6774.9

Used to terminate aluminum cable to a copper or aluminum surface.

Stock Unit: EA

		Tool and Die	
Stock No.	**Conductor Size**	**MD-6**	**Y35/Y39**
651255	#1, #1 Sol to #2 Comp	W-K840	U-K840
651256	1/0 Str to 1/0 & 2/0 Comp	W-K840	U-K840
651257	2/0 Str to 3/0 Comp	W-K840	U-K840
651258	3/0 Str to 4/0 Comp	W-K840	U-K840
651265	4/0 to 250 Str, 250 to 350 Comp.	W-K840	U-K840

Connector, Terminal, Compression, Aluminum — 6774.77

Used to terminate aluminum or copper cables to an aluminum or copper surface. Compression terminal connectors are used to connect jumpers to primary switches. Installed with an Anderson VC6 tool and die.

Compression terminals are used with the following conductor sizes:

- 4/0—477 ACSR (18/1)
- 4/0—500 AAC
- 500 AAC copper

Product details:

- Aluminum body
- Tin-plated
- Two-hole NEMA pad
- Barrels factory-filled with a measured amount of high-voltage oxide-inhibiting compound
- Sealed terminal ends to prevent leakage or contamination of the inhibitor
- Includes a separate bi-metallic (copper-aluminum) plate with one side copper and one side aluminum

Stock Unit: EA

Stock No.: 650267

Lug, 90-Degree, Two-Hole, Tin-Plated Aluminum 6774.78

Used to terminate aluminum or copper secondary cables to an aluminum or copper surface at a 90-degree angle.

Product details:

- Aluminum construction
- Tin-plated finish
- Two-hole NEMA pad forming a 90-degree bend from the barrel
- Lug terminal barrels factory-filled with a measured amount of high-voltage oxide-inhibiting compound
- Sealed terminal ends to prevent leakage or contamination of the inhibiting compound

Stock Unit: EA

Stock No.	Conductor Size (kcmil)
012262	500
651324	750

Connector, Terminal, Bolted, Aluminum 6774.79

Used to connect 795 or 954 kcmil All Aluminum Conductor (AAC) or Aluminum Conductor Steel Reinforced (ACSR) to a flat, NEMA two-hole pad.

Bolted connectors may be used on lines or equipment up to 230 kV.

Torque hardware to 40 ft-lb.

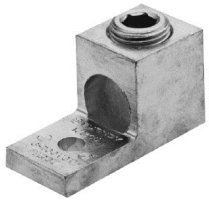
Product details:

- Aluminum body
- Aluminum hardware, (captured U-bolts, split lock washers, and nuts)
- Conductor diameter range: 0.89 to 1.30

Stock Unit: EA

Stock No.: 651214

Connector, Lug, Set Screw, Aluminum 6774.95



Used to terminate aluminum or copper cables to a flat aluminum or copper surface

Stock No. 012564 is for grounding aluminum streetlight mast arms.

Product details:

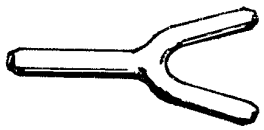
- Made of high strength aluminum alloy
- Tin-plated
- Suitable for either copper or aluminum conductors
- Slotted or socket screw design
- Include set screws

Stock Unit: EA

Stock No.	Conductor Range (AWG/kcmil)	# of Conductors	Stud Size
012564	#14 to #6	1	1/4
651310	#6 to 250	1	5/16
651314	#14 to 1/0	2	1/4

Splice, Copper, Compression, "Y" 6775.10

For splicing 13 kV cable.



Stock Unit: EA

Stock No.	Conductor Size (AWG or kcmil)		
663506	3/0	3/0	3/0
663524	350	350	3/0
663530	350	350	350
663538	500	500	3/0
663544	500	500	500
663559	750	750	350
663561	750	750	750
663562	1000	1000	350
663563	1000	1000	3/0
663564	1000	1000	500
663565	1000	750	750
663567	1000	750	350
010129	1000	1000	1000

Y-Splice, Split, Compression, Copper 6775.30

Used with primary cable, heat-shrink splices to connect different-sized copper or tin-plated copper conductors.

Product details:

- Copper material
- Tin-plated finish

Stock Unit: EA

	Conductor Size (AWG/kcmil)					
Stock No.	Main	Tap 1	Tap 2	Tap 3	Use with Splice Kit Stock No.	Color Code
663570	#2 to 250	#2 to 250	—	—	687540	Purple
663572	350 to 750	1/0 to 350	#1 to #6	#2 to #14	687541	Yellow
663574	500 to 750	350 to 750	—	—	687541	Yellow
011908	750 to 1000	#2 to 250	—	—	011919	Yellow
012959	750 to 1000	750 to 1000	—	—	011909	White

Splice, Automatic — 6775.40

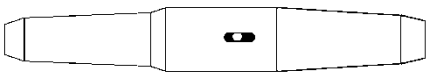
Used to splice overhead wire. May be used to splice opper and copperweld conductor.

Automatic splices require tension to form an adequate electrical connection.

Stock Unit: EA

	Wire Size (AWG or kcmil)			
	Solid	Stranded	Solid	Stranded
Stock No.	**"A"**	**"B"**	**"A"**	**"B"**
677532 E	6	6	8	8
677533 E	4	4	6	6
677535 E	2	2	3	3
677536	1	1	2	2
677537	1/0	1/0	1	1
677538	2/0	2/0	1/0	1/0
677539	3/0	3/0	2/0	2/0
677540	4/0	4/0	3/0	3/0
677541	—	—	4/0	4/0
677544	—	—	300	300
677545	—	—	350	350

Splice, Automatic, Reducing — 6775.40



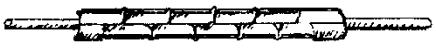
Used to splice overhead wire. May be used to splice copper and copperweld conductor.

Automatic splices require tension to form an adequate electrical connection.

Stock Unit: EA

	Wire Size (AWG or kcmil)			
	Solid	Stranded	Solid	Stranded
Stock No.	**"A"**	**"B"**	**"A"**	**"B"**
677556 E	4	6	6	8
677577	3/0	2/0	2/0	1/0
677581	---	4/0	4/0	3/0

Splice, Compression, Full Tension — 6778.1



Copper, for copper conductors.

Stock Unit: EA

Stock No.	Conductor Size (AWG or kcmil)	Tool Groove	Nicopress Tool
677796 E	#10 Sol.	C	31-CJ
677802 E	#8 Sol.	J	53-XPT
677803 E	#6 Sol.	J	53-XPT
677804 E	#4 Sol.	M	41-MJ
677808	#2 Sol.	X	53-XPT
677901	2/0 Str.-3/0 Sol.	G3	88
677903	4/0 Str.	H5	88

Connector, Multiple, Insulated Submersible, 550 A — 6780.05

For use in pedestal, vault, and handhole or direct-bury applications.

The ampacity of the connector is based on the nominal rating ampacity of the crossbar at 75 degrees C. Ultimate ampacity can vary as a result of many factors, included loading of the cable, what the connector or bus is connected to, and the connection sequence of the cables.

Stock Unit: EA

Stock No.	Description
678800	3-position connector without streetlight tap, large bolt terminals
678703	3-position connector without streetlight tap, small bolt terminals
678707	4-position connector with streetlight tap
678713	6-position connector with streetlight tap
678715	8-position connector with streetlight tap

Insulating Sleeve for 550 A Submersible Connector — 6780.05

10-1/2-in long ethylene propylene diene monomer (EPDM) rubber sleeve for use with 550 A multiple insulated submersible connectors.

Stock Unit: EA

Stock No.: 678620

Streetlight Tap Cover for 550 A Submersible Connector — 6780.05

2-1/2-in high EPDM tap cover for use with 550 A multiple insulated submersible connectors.

Stock Unit: EA

Stock No.: 678663

Connector, Multiple, Insulated Submersible, 650 A — 6780.20

For use in pedestal, vault, and handhole or direct-bury applications.

The ampacity of the connector is based on the nominal rating ampacity of the crossbar at 75 degrees C. Ultimate ampacity can vary as a result of many factors, included loading of the cable, what the connector or bus is connected to, and the connection sequence of the cables.

Stock Unit: EA

Stock No.	Description
678760	4-position connector
678761	6-position connector
678763	8-position connector

Insulating Sleeve for 650 A Submersible Connectors — 6780.20

13-in long EPDM sleeve for use with 650 A multiple insulated submersible connectors.

Stock Unit: EA

Stock No.: 678630

Connector, Multiple, Insulated Submersible, 1000 A, Two-Sided — 6780.30

For use in pedestals, vaults, handholes and direct-bury applications.

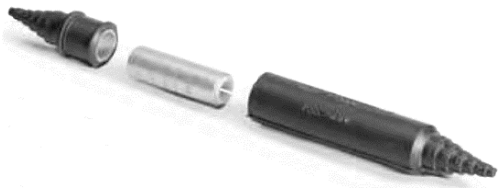
Accepts copper or aluminum connectors. Includes bolts and washers.

Insulating sleeves (“rockets”) for terminals are specified in SCL 6780.20

Stock Unit: EA

Stock No.	Number of Positions	Conductor Range
678750	4	4/0 to 1000 kcmil
678752	12	4/0 to 1000 kcmil

Splice Kits, Compression, Inline, Submersible — 6780.44



Used to join #6 AWG copper, 600 V streetlight cables.

Kits include a compression splice, a watertight boot, and a silicone grease packet.

Splice cover (cap and rocket) product details:

- Made of insulating rubber
- Capable of accepting conductor size #14 AWG to 2/0
- Watertight and submersible

Repair splice product details:

- Tin-plated aluminum
- Appropriate for #6 AWG, copper or aluminum conductor
- Prefilled with oxide inhibitor and capped

Silicone grease

- Single-use packet

Stock Unit: EA

Stock No.: 678665

Connector, Underground, Multi-Tap, 600 V — 6780.46

For direct bury, handhole, and pedestal applications. Used to construct services, power streetlighting, or provide network vault lighting.

Stock Unit: EA

Stock No.	Number of Positions	Conductor Range
013661	4	#12 AWG to 350 kcmil
013662	6	#12 AWG to 350 kcmil
013694	4	#10 AWG to 500 kcmil
013695	6	#10 AWG to 500 kcmil

Connector, Multiple-Port, Non-Submersible, 600 V — 6780.52

For use in dry or damp locations inside pedestals, vaults, and handholes. Appropriate for copper or aluminum conductors.

NOT rated for direct burial.

Install connector using a 1/8-in Allen wrench and torque to 45 in-lb.

Stock Unit: EA

Stock No.	Description
014377	2-port connector
014378	4-port connector
014379	6-port connector

Terminal Lug, Standard Barrel Type — 6786.00

Compression terminal lug with aluminum (Al – Cu) barrels; for connecting secondary cable together with multi-position, secondary connectors; submersible or overhead applications.

Stock Unit: EA

	Cable Size (AWG or kcmil)		Die	
Stock No.:	**Str.**	**Comp.**	**MD6 Tool**	**Y-35 Tool**
678695 E	#6	#6	WK-840(2)	UK-840(2)
678697 E	#4	#4	WK-840(2)	UK-840(2)
678692 E	#2	#2	WK-840(2)	UK-840(2)
678693 E	#1	#1	WK-840(2)	UK-840(2)
678694 E	1/0	1/0	WK-840(2)	UK-840(2)
678687 E	2/0	2/0	WK-840(2)	UK-840(2)
678696 E	3/0	3/0	WK-840(2)	UK-840(2)
678689 E	4/0	4/0	WK-840(2)	UK-840(2)
678698 E	250	400	–	U-655(2)
678699 E	300-350	350	–	U-655(2)
678700 E	400-500	500	–	U-655(2)

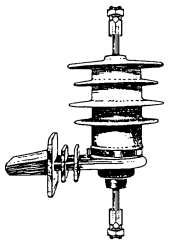
Terminal Lug, Extra Long Barrel — 6786.00

Compression terminal lug with extended copper barrel for connecting #2 AWG, 7-strand, bare copper transformer ground to a submersible, insulated, multi-position, secondary connector. Designed to extend outside rubber boot to prevent ingress of moisture into connector from a stranded conductor.

Stock Unit: EA

	Die	
Stock No.	**MD6 Tool**	**Y-35 Tool**
012729	W-162(2)	U-162(2)

3 kV Heavy Duty Distribution Class Metal-Oxide Surge Arrester 6800.1



Heavy-duty distribution class surge arresters for use on a 4160GrdY/2400 V power system. For installation on riser poles to protect underground cable and equipment.

Used at termination points to protect primary cable from voltage surges.

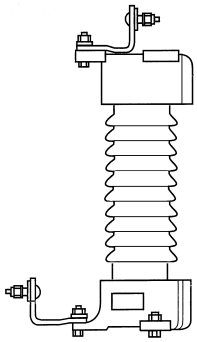
Heavy duty distribution class arresters are for installation in areas where the fault duty is less than 20 kA rms symmetrical. Intermediate class arresters are for installation in areas where the fault duty is between 20 kA and 40 kA rms symmetrical.

MCOV stands for maximum continuous operating voltage. An arrester with a series gap can withstand a temporary (3 second) over-voltage of 2.0 per unit of MCOV rating. Arresters without a series gap have a temporary (3 second) over-voltage rating of 1.4 per unit. Surge arresters designed with gaps offer slightly better electrical performance than surge arresters designed without gaps. Intermediate class arresters are not available with gaps.

Stock Unit: EA

Stock No.	Duty-Cycle Voltage Rating	MCOV, kV rms	Housing Material
680002	03	02.55	Polymer

21 kV Intermediate Class, Porcelain, Metal-Oxide Surge Arrester 6801.3



Intermediate class surge arresters are intended for use on maximum 26400GrdY/15240 Volt power systems in areas where the fault duty is nominally between 20 kA and 40 kA rms symmetrical.

Porcelain surge arresters are used to construct terminal riser poles.

In situations where vertical pole space is limited, refer to Material Standard 6801.6 - 21 kV Intermediate Class, Polymer, Metal-Oxide Surge Arrester.

In areas where the fault duty is less than 20 kA, refer to Material Standard 6801.4 - 21 kV, Heavy Duty Distribution Class, Polymer, Metal-Oxide Surge Arrester.

Surge arresters designed with gaps (6801.4) offer slightly better electrical performance than surge arresters designed without gaps (6801.3 and 6801.6). Intermediate class arresters are not available with gaps.

Stock Unit: EA

Stock No.	Duty-Cycle Voltage Rating	MCOV, kV rms	Housing Material
680121	21	17.0	Porcelain

Surge Arrester, 21 kV Heavy Duty Distribution Class, Polymer, Metal Oxide 6801.40

Heavy-duty distribution class surge arresters are intended for use on 26400GrdY/15240 V power systems in areas where the nominal fault duty is less than 20 kA rms symmetrical. Arresters are installed on riser poles to protect underground cable and equipment.

In areas where the fault duty is between 20 kA and 40 kA rms symmetrical, refer to SCL 6801.60, “21 kV Intermediate Class, Polymer, Metal-Oxide Surge Arresters.”

Stock Unit: EA

Stock No.	Duty-Cycle Voltage Rating	MCOV, kV rms	Housing Material
680115	21	17.0	Polymer

Surge Arrester, 21 kV Intermediate Class, Polymer, Metal-Oxide — 6801.60

Intermediate class surge arresters are intended for use on 26400GrdY/15240 V power systems in areas where the nominal fault duty is between 20 kA and 40 kA rms symmetrical. Arresters are installed on riser poles to protect underground cable and equipment.

In areas where the fault duty is less than 20 kA, refer to SCL 6801.40, “21 kV, Heavy Duty Distribution Class, Polymer, Metal-Oxide Surge Arrester.”

Stock Unit: EA

Stock No.	Duty-Cycle Voltage Rating	MCOV, kV rms	Housing Material
012593	21	17.0	Silicone rubber or equivalent silicone polymer

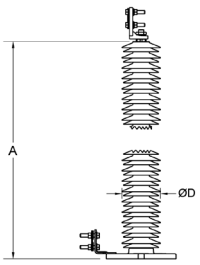
Surge Arrester, Station Class, Polymer, Metal-Oxide, for 26 kV Systems — 6802.20

21 kV duty-cycle rating, station class, polymer-housed, metal-oxide surge arresters.

Station class surge arresters are intended for use on a nominal 26 kV, grounded, wye-connected, 60 Hz power system.

Arresters are intended for upright or horizontal mounting in substations.

Arresters are intended for direct connection to the substation ground grid.



Stock Unit: EA

Stock No.: 013533

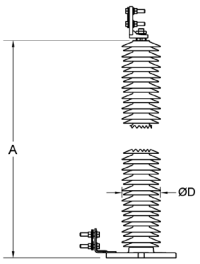
Surge Arrester, Station Class, Polymer, Metal-Oxide, for 34.5 kV Systems — 6802.40

30 kV duty-cycle rating, station class, polymer-housed, metal-oxide surge arresters.

Station class surge arresters are intended for use on a nominal 34.5 kV, grounded, wye-connected, 60 Hz power system.

Arresters are intended for upright or horizontal mounting in substations.

Arresters are intended for direct connection to the substation ground grid.

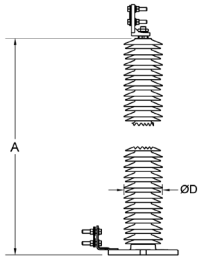


Stock Unit: EA

Stock No.: 013547

Surge Arrester, Station Class, Polymer, Metal-Oxide, for 115 kV Systems — 6802.60

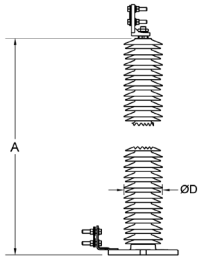
96 kV duty-cycle rating, station class, polymer-housed, metal-oxide.
For use on a nominal 115 kV, grounded, wye-connected, 60 Hz power system.
Intended for upright or horizontal mounting in substations.
Intended for direct connection to the substation ground grid.



Stock Unit: EA
Stock No. 013548

Surge Arrester, Station Class, Polymer, Metal-Oxide, for 230 kV Systems — 6802.80

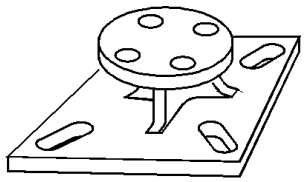
192 kV duty-cycle rating, station class, polymer-housed, metal-oxide surge arresters.
For use on a nominal 230 kV, grounded, wye-connected, 60 Hz power system.
Intended for upright or horizontal mounting in substations.
Intended for direct connection to the substation ground grid.



Stock Unit: EA
Stock No.: 013549

Insulator Bracket for IWCB — 6808.11

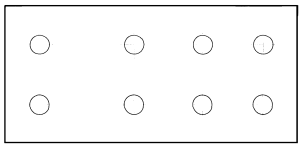
Cast aluminum. Size 2, for use with 8" x 8" bus.



Stock Unit: EA
Stock No.:690862

Plate, Bus Tie Switch Connector — 6808.12

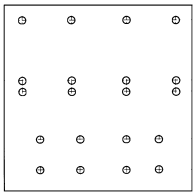
1/2-inch thick, C11000 copper plate (flat bus). SCL shop made.



Stock Unit: EA
Stock No.: 010467

Connector Plate for 6 in and 8 in IWCB to Cable 6808.60

Network secondary Integral Web Channel Bus (IWCB) material.

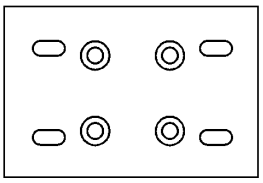


Stock Unit: EA

Stock No.: 680860

Insulator Plate for 8-Inch by 8-inch IWCB 6808.7

Aluminum. Used to mount standard ANSI insulators to integral web channel bus (IWCB). Bus of this type is used exclusively in the network system.

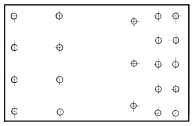


Stock Unit: EA

Stock No.: 680874

CT Connector Plate for 8 in x 8 in IWCB 6808.80

Network secondary Integral Web Channel Bus (IWCB) material.

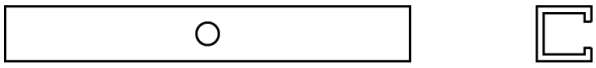


Stock Unit: EA

Stock No. 680885

Tie, Anchor to Rail, for IWCB 6808.9

Network secondary Integral Web Channel Bus (IWCB) material.

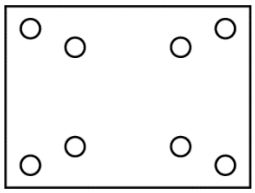


Stock Unit: EA

Stock No.: 680800

Plate, Mounting, Insulator to Rail, for IWCB — 6808.9

Network secondary Integral Web Channel Bus (IWCB) material.

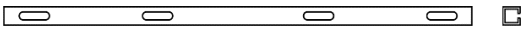


Stock Unit: EA

Stock No.: 680802

Rail, Tie to Mounting Plate, for IWCB — 6808.9

Network secondary Integral Web Channel Bus (IWCB) material.



Stock Unit: EA

Stock No.: 680801

Fuse Cutout, Enclosed — 6820.10

2.6 kV, totally enclosed, porcelain.

For use on the 2400/4160Y volt overhead primary distribution system.

Product details:

- Continuous current rating, RMS amperes, minimum: 100
- Interrupting rating, 2.6 kV, five-shot, RMS asymmetrical amperes, minimum: 8000
- Interrupting rating, 2.6 kV, one-shot, RMS asymmetrical amperes, minimum: 14,000

Stock Unit: EA

Stock No.: 682047

27 kV Cutout, Open Type, Polymer — 6820.95

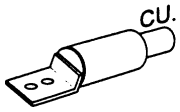
Provide overcurrent protection for the SCL 26.4 kV primary distribution circuits and visible indication of fuse operation.

Stock Unit: EA

Stock No.	Description
013739	Cutout with fuseholder tube
682297	Replacement fuseholder tube
682278	Disconnect blade, 300 A

Limiter, Cu Cable to Bus Bar, 600 V — 6836.2

Cable limiters are intended to provide short-circuit protection to electrical systems, typically between the transformer and service entrance. NOTE: 683630 is for a size of cable not used by Seattle City Light.



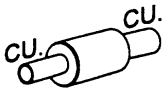
Stock Unit: EA

Stock No.	AWG or kcmil	Y35/39	Y46
683621	#4	U4CRT	–
683622	#2	U2CRT	–
683623	2/0	U26RT	–
683624	3/0	U27RT	–
683625	4/0	U28RT	–
683626	250	U29RT	–
683627	350	U31RT	–
683629	500	U34RT	–
011158	600	U36RT	P36RT
683630	750	–	P39RT

Limiter, Cu Cable to Cu Cable, 600 V — 6836.3

Both terminals are plated copper.

Cable limiters are intended to provide short-circuit protection to electrical systems, typically between the transformer and service entrance.



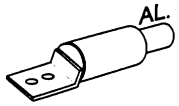
Stock Unit: EA

Stock No.	Cable Size AWG or kcmil	Y35/39	Y46
683641	4	U4CRT	–
683643	2	U2CRT	–
683646	2/0	U26RT	–
683647	3/0	U27RT	–
683648	4/0	U28RT	–
683649	250	U29RT	–
683650	350	U31RT	–
683651	500	U34RT	–

Limiter, Al Cable to Cu Bus Bar, 600 V — 6836.50

Terminal "A" is plated copper; Terminal "B" is aluminum.

Cable limiters are intended to provide short-circuit protection to electrical systems, typically between the transformer and service entrance.



Stock Unit: EA

Stock No.	Cable Size (AWG or kcmil)	Y35/39	Y46
683637	4/0	U28ART	–
683638	350	U31ART	–
683639	500	U34ART	–
683659	750	–	P39ART

Limiter, Al Cable to Al Cable, 600 V — 6836.6

Both terminals are aluminum.

Cable limiters are intended to provide short-circuit protection to electrical systems, typically between the transformer and service entrance.

Stock Unit: EA

Stock No.	Cable Size (AWG or kcmil)	Y35/39	Y46
683615	4/0	U28ART	–
683616	350	U28ART	–
683617	500	U28ART	–
683618	750	–	P39ART

Link, Distribution Fuse, Expulsion — 6837.10

Removable buttonhead style, expulsion type. For use in 27 kV open distribution cutouts.

Stock Unit: EA

Stock No.	Type	Continuous Current Rating (A)
683706 E	3T	3
683708 E	6K	6
683710 E	10K	10
683711 E	15K	15
683713 E	25K	25
683715 E	40K	40
683717 E	50K	50
683718 E	65K	65
683724 E	100K	100

Fuse Link, 15.5 kV, Bay-O-Net, Oil-Immersed, Dual Sensing — 6839.15

SCL pad-mounted single-phase, three-phase, and submersible single-phase transformers use Bay-O-Net fuse assemblies for overcurrent protection. Isolation links are not installed with the Bay-O-Net fuses because each transformer is protected upstream by a back-up fault current limiter (FCL) fuse.

FCL fuses clear high-level faults and Bay-O-Net fuses clear secondary and overload currents.

The dual-sensing fuse links used in Bay-O-Net fuses also sense transformer fluid temperature. They limit long-term transformer heating caused by overloads and high temperature environments.

Stock Unit: EA

Stock No.	Voltage (kV)	Continuous Current Rating (A)	Maximum Single-Phase Interrupting Current (A), rms symmetrical	Cooper Power Catalog No.
685101	15.5	8	2500	4000358C05B
685102	15.5	15	2500	4000358C08B
685103	15.5	25	1500	4000358C10B

Fuse, 15.5 kV, Full-Range, Current-Limiting Capacitor 6839.30

15.5 kV, full-range, outdoor, current-limiting capacitor fuse.

Capacitor fuses are designed with a fuse element that has both low and high fault current interrupting capability. They provide both short circuit and overload protection and are intended to protect against capacitor case rupture or dielectric failure within the capacitor.

Typical applications include use in high fault areas, fusing of individual capacitors, capacitive circuits requiring positive isolation, circuits where let-through current must be restricted, areas where burning debris cannot be tolerated and where high noise levels are undesirable.

These fuses are used at West Point Treatment Plant capacitor banks.

Stock Unit: EA

Stock No.: 010316

Fuse, 17.2 kV, Full-Range, Current-Limiting, Molded 6839.45

17.2 kV, full-range, molded current-limiting fuse (MCLF).

MCLFs are designed with a fuse element that has both low and high fault current interrupting capability. The low current section clears fault in less than one half cycle. The high current section limits the system available fault current to prevent disruptive failures by limiting let-through current and energy released into the faulted equipment.

MCLFs are designed to operate in a solidly grounded wye 27 kV looped radial electrical distribution system. In rare cases, when transformers or loads are delta connected, the 17.2 kV MCL fuses specified in this standard can be used.

FCLs are dead-front, fully submersible, and designed to be used in underground and in-building vaults.

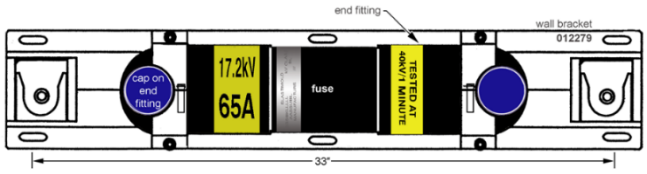
For overhead applications see SCL 6840.10.

Use with loadbreak bushing inserts, Stock No. 686449.

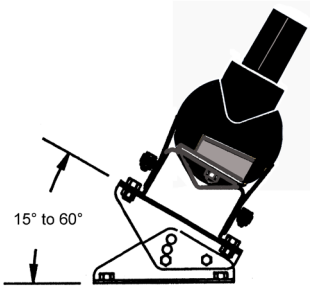
Stock Unit: EA

Stock No.	Description
012276	Fuse, 25 MCL
012277	Fuse, 40 MCL
012278	Fuse, 65 MCL

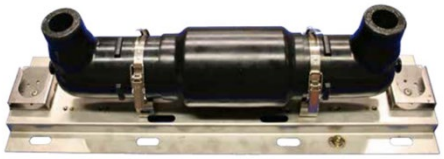
012279	Wall mounting bracket assembly



012280	Tilt mounting adapter (optional)



Fuse, 15.5 kV, Full Range, Current Limiting, Molded, and Accessories — 6839.55



Molded current limiting fuses are also known as modular or encapsulated fuses.

MCLFs are designed with a fuse element that has both low and high fault current interrupting capability. The low current section clears faults in less than one half cycle. The high current section limits the system available fault current to prevent disruptive failures by limiting let through current and energy released into the faulted equipment.

MCLFs are designed to operate in a solidly grounded, wye connected, 27 kV looped radial electrical distribution system. In rare cases where transformers or loads are delta connected, the 17.2 kV MCL fuses specified in SCL 6839.45 shall be used. FCLs are dead front, fully submersible, and designed to be used in underground and in building vaults.

Use with loadbreak bushing inserts, Stock No. 686449.

Stock Unit: EA

Stock No.	Description
015058	Fuse, 25 A
015059	Fuse, 40 A
015060	Fuse, 65 A
015061	Wall mounting bracket assembly for Eaton fuses
015062	Tilt mounting bracket assembly for Eaton fuses

Fuse, Current-Limiting, Full Range, Type X, Hinge-Mounted — 6840.10

For use in 27 kV, three-phase, live-front, padmount switchgear - See SCL 4507.90.

Designed to fit S&C SMU-20 fuse holders.

Stock Unit: EA

Stock No.	Description	Continuous Current Rating (A)
014332	Type 25X	25
014331	Type 40X	40
014330	Type 65X	65
685011	Locknut	–

Fuse, 15.5 kV, Full-Range, Current-Limiting, Type X, Clip Style — 6840.15

Type X, clip-style fuses are designed to be used with S&C 27 kV padmount PME switchgear for the SCL underground electrical distribution system.

When used with S&C fuse holder, Stock No. 014998, these fuses could also be installed in live-front PMH switchgear and dead-front Federal Pacific Electric PSE switchgear. See SCL 6840.10 and SCL 4507.95 for details.

Stock Unit: EA

Stock No.	Type	Continuous Current Rating (A)
014775	25 X	25
014776	40 X	50
014777	65 X	65

Fuse, 15.5 kV, Back Up Fault Current Limiter (FCL), Type K — 6840.20

FCL fuses are designed to prevent disruptive failures by limiting let-through current and energy released into the faulted equipment. They are always connected in series with an expulsion fuse.

At Seattle City Light, FCLs are used to protect distribution transformers rated less than 3 MVA as well as lateral feeders in a 27/15.5 kV grounded wye system. Fuses will always be connected line-to-ground.

Stock Unit: EA

Stock No.	Description
684920	12K
014417	25K
014418	50K
014419	65K

Old and New Fault Current Limiter Cross-Reference Table

Old Stock No.	Old Limiter Name	New Stock No.	New Limiter Name
684900	A	684920	12K
684902	B	014417	25K
684905	C	014418	50K[a]
684907	D	014419	65K
684920	K Mate	684920	12K

[a] The ABB limiters are 40K, but they are equivalent to 50K for SCL applications. Fuse and link coordination verified by ABB.

Fuse, 27 kV, SMU-20, Type E 6840.30

SMU-20 power fuses, with end fittings, are used with SMD-20 overhead cutouts in unit and industrial substations.

S&C Electric Company (S&C) uses “E” ratings to designate slow-speed fuses. Cooper Power Systems (Eaton) uses the “SE” rating to designate the same fuse. S&C refers to the fuses as SMU-20, whereas Eaton refers to them as CMU-20.

When installed on pole-top locations on distribution feeders, the fuse operates promptly to limit the stress on electrical systems due to short circuits. It provides isolation for the faulted circuit, limiting the size of the interrupted service area.

When installed on the primary side of a pole-mounted transformer on a distribution feeder, the fuse detects and interrupts all faults. Faults are detected and interrupted regardless of whether the fuse is located on the primary or secondary side of the transformer and regardless of the transformer winding connections.

Fuses are also well-suited for protection of pole-top or station capacitor banks.

Stock Unit: EA

Stock No.	Description	Continuous Current Rating (A)
684721	1 E	1
684727	15 E	15
684729	30 E	30
684731	50 E	50
684737	200 E	200
682587	Upper and lower end fitting set	

Fuse, 27 kV, SMU-20, Type K — 6840.35

SMU-20, Type K power fuses are used for overhead cutouts and padmount switchgear.

S&C Electric Company (S&C) and Cooper Power Systems/Eaton (Cooper) both use “K” ratings to designate fast speed fuses. S&C refers to the fuses as SMU-20, whereas Eaton refers to them as CMU-20.

When installed on pole-top locations on distribution feeders, the fuse operates promptly to limit the stress on electrical systems due to short circuits. It provides isolation for the faulted circuit, limiting the size of interrupted service area.

When installed on the primary side of pole-mounted transformer on a distribution feeder, the fuse detects and interrupts all faults. Faults are detected and interrupted regardless of the it being on the primary or secondary side of transformer and regardless of the transformer winding connections.

The fuse also fits padmount switchgear when used with Stock No. 682585 end fittings.

Fuses are also well suited for protection of pole-top or station capacitor banks.

Stock Unit: EA

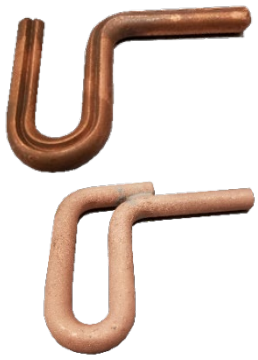
Stock No.	Description	Continuous Current Rating (A)
684751	25 K	25
684756	50 K	50
684757	65 K	65
684758	100 K	100

Connector Bar, 2/0 Copper — 6849.1

For back-up fault limiting fuse installation to offset fault limiters from fused cutouts.

Stock Unit: EA

Stock No.	Description
684910 E	Standard connector bar (for use with Stock Nos. 684900, 684902, and 684920 fuses)
684912	Reinforced connector bar (for use with Stock Nos. 684905 and 684920 fuses)



Overhead Fault Indicator 6850.00

Fixed trip, single-phase overhead fault indicator. Unit resets itself after 4 hours. Units may also be manually reset with test/reset magnet, Stock No. 013006.

Fault indicators are intended for semi-permanent installation on 26.4 kV, three-phase, bare, overhead, distribution conductors for the purpose of aiding crews with locating faults.

Fault indicators are intended for installation at the following locations: mid-point of the feeder near switches, feeder “getaways,” underground dips, un-fused laterals and 3/4 point on long feeders.

Fault indicators may be installed alone on one conductor or in sets of three on a circuit.

Stock Unit: EA

Stock No.:765872

Test/Reset Magnet 6850.00

Used on the end of a hot stick to manually test or reset overhead fault indicator, Stock No. 765872.

Stock Unit: EA

Stock No. 013006

Faulted Circuit Indicator, Underground 6850.22

Faulted circuit indicators are attached to underground cable accessories, such as 200 A and 600 A elbows and indicate the passage of fault current by showing an orange, reflective target in its fisheye display.

Faulted circuit indicators can also be installed on cable terminations connected to pad-mounted distribution transformers and switchgear.

Faulted circuit indicators are self-powered and do not contain batteries.

Faulted circuit indicator response is initiated by a rapid rise of current of at least 100 A, in a fraction of a cycle, above the normal load current, followed by a loss of voltage. For example, if the load current is 150 A, it would need a total of at least 250 A measured in a rapid burst followed by loss of voltage.

The minimum pickup point for the fault indicator to signal a trip is 200 A. If a circuit is lightly loaded, 10 A, for example, the fault current must be at least 190 A in order to meet the minimum threshold of the fault indicator and operate.

If the total magnitude of the fault current plus the normal load current is less than 200 A, the faulted circuit indicator will not indicate a fault.

Stock Unit: EA

Stock No.: 014658

Fuse, General Purpose, Non-Current Limiting, 250 and 600 Volt 6855.05

General purpose fuses are used to protect feeder and branch circuits where the available short-circuit current does not exceed 50,000 amperes for circuits rated up to 60 A (or 10,000 amperes for circuits rated 65 to 600 A).

General purpose fuses are appropriate for lighting, heating, and other non-inductive circuits.

General purpose fuses are intended for dry applications only.

Stock Numbers 682607 and 682609 are used in fire detection control cabinets.

Refer to Construction Guidelines NCB-140 and NCB-141

Stock Unit: EA

Stock No.	Voltage Rating (Vac)	Current Rating (A)	Diameter (in)	Length (in)
683020	250	1	9/16	2
683021	250	3	9/16	2
683023	250	6	9/16	2
683024	250	10	9/16	2
683025	250	15	9/16	2
683026	250	20	9/16	2
683027	250	25	9/16	2
683028	250	30	9/16	2
683029	250	35	13/16	3
683030	250	40	13/16	3
683031	250	45	13/16	3
683032	250	50	13/16	3
683033	250	60	13/16	3
683034	250	70	1-1/16	5-5/8
683035	250	80	1-1/16	5-5/8
682607	600	3	13/16	5
682609	600	10	13/16	5

Dummy Neutral, 250 V 6855.07

Dummy neutrals are also known as neutral slugs. Used where a neutral conductor terminates on a UL Class H fuse block and it is not appropriate for a fuse to be in that leg of the circuit.

Dummy neutrals are installed in fuse blocks to effectively form a short circuit across the terminals of the block.

Dummy neutrals are not fuses.

Stock Unit: EA

Stock No.	Fuse size equivalent	Diameter (in)	Length (in)
683235	30	0.54	2
683240	60	0.84	5

Fuse, Dual-Element, Time-Delay, 250 V — 6855.10

Unlike single-element, general purpose fuses (Material Standard 6855.05), dual-element, time-delay fuses can be sized closer to provide both high-performance short-circuit protection and reliable overload protection in circuits subject to temporary overloads and surge currents.

Dual-element fuses are appropriate for motor, transformer, and other inductive circuits.

Dual-element fuses are intended for dry applications only.

Stock Unit: EA

Stock No.	Current Rating (A)	Diameter (in)	Length (in)
683037	100	1-1/16	5-5/8
683039	125	1-9/16	7-1/8
683040	150	1-9/16	7-1/8
683042	200	1-9/16	7-1/8
683043	225	2-1/16	8-5/8
683045	300	2-1/16	8-5/8
683047	400	2-1/16	8-5/8
683049	500	2-19/32	10-3/8
683050	600	2-19/32	10-3/8

Dual-Element Fuse, Time-Delay, Plug Type, 125 V, S- and T-Series — 6855.15

Base is brass with Edison threads; body is ceramic.

Plug fuses are used to protect branch circuits where the available short-circuit current does not exceed 10,000 amperes.

T-series (Edison base) plug fuses are appropriate for general purpose circuits and can provide small motor overload protection when used with box cover units.

S-series plug fuses are designed with an industry standard attribute called rejection feature.

Fuses with rejection feature promote safety by preventing the overfusing of branch circuits.

Plug fuses are intended for dry applications, only.

T- to S-series adapters, Stock Number 683411, screw into Edison thread fuse sockets of standard fuse boxes making it easy to retrofit existing fuse installations.

Adapters only accept 15 A plug fuses, Stock No. 683350.

Stock Unit: EA

StockNo.	Series	Base Type	Current Rating (A)
683003	T	Edison	6
683354	T	Edison	10
683355	T	Edison	15
683356	T	Edison	20
683357	T	Edison	25
683358	T	Edison	30
683350	S	Rejection	15
683351	S	Rejection	20
683353	S	Rejection	30
683411	Adapter, T series (Edison) to S series (Rejection)		

Time-Delay Fuse, 480 V — 6855.25

Used to protect branch circuits where the available short-circuit current does not exceed 100,000 amperes.

Appropriate for lighting, heating, and other non-inductive circuits.

Designed with varied lengths to prevent misapplication.

Used in holders specified in SCL Material Standard 6857.05.

Stock No. 683171 is used in physical totaling metering schemes (rare).

Stock Unit: EA

Stock No.	Current Rating (A)	Diameter (in)	Length (in)
683171	10	13/32	1-5/16
683172	15	13/32	1-5/16
683165	35	13/32	2-1/4
683163	50	13/32	2-1/4

Time-Delay Fuse, 125 V — 6855.35

Time-delay fuses may be used only where proper protection is already being provided by a branch circuit device.

Used to provide supplementary protection on branch circuits so that the branch circuit fuse is not disturbed in downstream, overcurrent situations.

May be used only where the available short-circuit current does not exceed 10,000 amperes at 125 Vac.

Interrupting rating significantly decreases with voltage.

Appropriate for general purpose, lighting, and meter circuits.

Fuses measuring 13/32 x 1-1/2 inches are also known as midget fuses.

Stock Unit: EA

Stock No.	Current Rating (A)	Diameter (in)	Length (in)
683193	5	13/32	1-1/2
683199	10	13/32	1-1/2

Fast-Acting Fuse, with Pin Indication, 125 V — 6855.40

Fast-acting fuses may be used only where proper protection is already being provided by a branch circuit device.

Fast-acting fuses may be used only where the available short-circuit current does not exceed 10,000 A.

Fast-acting fuses have a red pin indicator that provides visual identification of failed circuits, resulting in faster troubleshooting.

Appropriate for control and electronic circuits.

Stock Unit: EA

Stock No.	Current Rating (A)	Diameter (in)	Length (in)
683120	5	1/4	1-1/4

Fast-Acting Fuse, Current Limiting, 600 V — 6855.50

Fast-acting fuses may be used only where proper protection is already being provided by a branch circuit device.

Fast-acting fuses provide supplementary protection on branch circuits so that the branch circuit fuse is not disturbed in downstream, overcurrent situations.

Fast-acting fuses may be used only where the available ac short-circuit current does not exceed 10,000 A ac. This value is significantly less for dc circuits.

Appropriate for lighting, control, and meter circuits. Not appropriate for protecting motors or motor circuits.

Fuses measuring 13/32 x 1-1/2 inches are also known as midget fuses.

Stock Unit: EA

Stock No.: 683162

Stock No.	Current Rating (A)	Diameter (in)	Length (in)
683162	40	13/32	1-1/2

Fast-Acting Fuse, Rejection-Type, Current Limiting, 600 V — 6855.55

600-Volt, fast-acting fuse, rejection-type, current-limiting.

Rejection-type, fast-acting fuses may be used only where proper protection is already being provided by a branch circuit device.

Rejection-type fuses provide supplementary protection on branch circuits so that the branch circuit fuse is not disturbed in downstream, overcurrent situations. These fuses may be used only where the available short-circuit current does not exceed 100,000 amperes. Appropriate for lighting, control, and meter circuits and compatible with both standard and rejection-type holders.

Note: fast-acting fuses are not appropriate for protecting motors or motor circuits.

When installed in a rejection-type fuse holder, rejection-type fuses prevent the replacement of fuses rated lower than 600 V.

Stock Unit: EA

Stock No.	Current Rating (A)	Diameter (in)	Length (in)
013509	3	12/32	1-1/2
013510	5	"	"
013511	10	"	"
013512	15	"	"
013513	20	"	"
013514	30	"	"

Electronic Fuse, Small Dimension, Glass — 6855.65

Electronic fuses are appropriate for electronic circuits.

Stock No. 683360 is a time-delay type that avoids needless blows from starting currents or surges. This fuse is used in fuse holder Stock No. 682348 to protect streetlight relays.

Stock Unit: EA

Stock No.	Voltage Rating (V)	Current Rating (A)	Type	Diameter	Length (in)
683290	250	1	Fast-acting	1/4 inch	1-1/4 inch
683360	32	30	Time-delay	9/32 inch	1-1/4 inch
012620	250	1	Fast-acting	5 mm	20 mm
012619	250	2	Fast-acting	5 mm	20 mm
014811	250	3	Fast-acting	5 mm	20 mm

Fuse Holder, In-Line, Water-Resistant 6857.05

Water-resistant, single-pole, break-away and non-break-away, in-line fuse holders and insulating boots.

In-line fuse holders may be used in dry or wet locations. In wet locations, use rubber insulating boots, Stock No. 682360, to provide added protection against dirt and water. When called for, two boots are required per in-line holder.

Recommended coupling nut torque is 10 to 20 in-lb.

Stock No. 682366 is a breakaway version which includes a set of rubber insulating boots; all other Stock Nos. are non-breakaway and absent boots.

Stock Nos. 682346, 682349, 682350, 682351, 682353, and 682366 are used with the "midget" fuses cited in Material Standards 6855.35 and 6855.50.

Stock No. 682370 is used with the 480 V fuses, Stock Nos. 683171 and 683172, cited in SCL 6855.25.

Stock Nos. 682335, 682352, and 012603 are used with the 480 V fuses, Stock Nos. 683165 and 683163, cited in SCL 6855.25.

Stock Unit: EA

Stock No.	Voltage Rating (V)	Current Rating, Maximum (A)	For Fuses Measuring Diameter x Length (in)	Loadside Terminal	Lineside Terminal
682370	600	15	13/32 x 1-5/16	#12 to #8, Cu crimp	#12 to #8, Cu crimp
682346	600	30	13/32 x 1-1/2	#12 to #8, Cu crimp	#12 to #8, Cu crimp
682349	600	30	13/32 x 1-1/2	#12 to #3, Cu setscrew	#12 to #3, Cu setscrew
682350	600	30	13/32 x 1-1/2	#12 to #8, Cu crimp	#6, Cu crimp
682351	600	30	13/32 x 1-1/2	#12 to #2, Al setscrew	#12 to #2, Al setscrew
682353	600	30	13/32 x 1-1/2	#12 to #3, Cu setscrew	#12 to #2, Al setscrew
682366	600	30	13/32 x 1-1/2	#12 to #8, Cu crimp	#6, Cu crimp
682335	480	60	13/32 x 2-1/4	#6 stranded to #4 solid, Al crimp	#6 stranded to #4 solid, Al crimp
682352	480	60	13/32 x 2-1/4	#12 to #2, Al setscrew	#12 to #2, Al setscrew
012603	480	60	13/32 x 2-1/4	#2 stranded, Cu crimp	#2 stranded, Cu crimp

Insulating Boot for In-Line Fuse Holders 6857.05

Rubber-insulating boot, single-pole (two required per holder).
For in-line fuse holders described in SCL 6857.05.

Stock Unit: EA

Stock No.: 682360

In-Line Fuse Holder, Rejection-Type, Waterproof 6857.07

Rejection-type fuse holders:

- Prevent the installation of fuses rated less than 600 V.
- Are used with class CC, rejection-type fuses cited in SCL 6855.55.
- Are UL-Listed for IPX7 conditions for protection against water immersion up to 3 ft.
- Are intended for installation in wet conditions. Two rubber insulating boots, Stock No. 682360, are required per in-line holder.

The recommended coupling nut torque is 10 to 20 in-lb.

Stock Unit: EA

Stock No.	Voltage Rating (V)	Current Rating, Maximum (A)	For Fuses Measuring Diameter x Length (in)	Loadside Terminal, Cu, Crimp	Lineside Terminal, Cu, Crimp
013518	600	30	13/32 x 1-1/2	#12 to #8	#6
013519	600	30	13/32 x 1-1/2	#6	#6
013520	600	30	13/32 x 1-1/2	#6	#2
013521	600	30	13/32 x 1-1/2	#2	#2

Panel-Mount Fuse Holder, 250 Volt 6857.10

Used to mount small dimension, electronic, glass fuses in panels.

Intended for mounting in panel holes 0.505 +/- .005 inches in diameter.

May be used with fuse Stock No. 683360, cited in SCL 6855.65.

Stock Unit: EA

Stock No.	Voltage Rating (V)	For Fuses Measuring diameter x length (in)
682348	250	1/4 x 1-1/4

Block-Type Fuse Holder, Non-Rejection, 600 Volt 6857.15

Block type fuse holders accept all fuses measuring 13/32 x 1-1/2 inch.

Fuses measuring 13/32 x 1-1/2 inch are also known as midget fuses.

Block type fuse holders may be mounted to a variety of flat surfaces. Refer to specific literature for mounting hole drill patterns.

The block type fuse holders lack an optional industry standard attribute called rejection feature.

Fuse holders with rejection feature (UL Class CC) promote safety by preventing the insertion of low fault duty rated fuses in high fault duty circuits.

Block type fuse holders will accept the any of the fuses cited in SCL Material Standards 6855.35 and 6855.50.

Stock Unit: EA

Stock No.	Description
012994	Single-pole
012995	Three-pole

Fire Protection Control Cabinet 6858.15

Assembled and wired.

NEMA type 4 fire protection control cabinets are used to monitor conditions in spot network vaults and send trip signals to network protectors, if necessary. See SCL NCB-141 for installation guidelines.

Stock Unit: EA

Stock No.: 682897

\

Heat Sensor 6858.18

Used in conjunction with a fire protection control cabinet to monitor conditions in spot network vaults and send trip signals to network protectors, if necessary.

Product features:

- Hermetically sealed
- Tamper proof
- Shock and vibration resistant
- Suitable for installation in a 1/2-inch conduit knockout
- Closes at 225 degrees

Stock Unit: EA

Stock No.: 765845

Mounting Brackets, Terminator and Arrester 6861.50

Used to mount terminators and surge arresters on terminal poles.

Mounting straps allow for both a terminator and surge arrestor to be mounted in parallel where the arrestor can protect the terminator and cable.

Stock Unit: EA

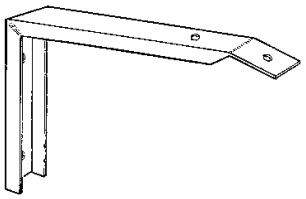
Stock No.	Description
686830	Single-phase termination bracket
686835	Three-phase termination bracket
013658	Mounting strap

Terminator Mounting Bracket 6862.0

Two-inch steel channel, hot-dipped galvanized after fabrication.

For use with terminators Stock Nos. 686480 and 686484.

One mounting bracket is issued with each cable-to-flat connector (Stock No. 676674).



Stock Unit: EA

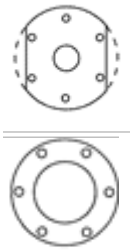
Stock No.: 686200

Adapter Ring and Gasket 6862.01

For conversion of G&W TR 180245R or W pothead to 600 A apparatus bushing on 26 kV Network transformers and other apparatus.

Stock Unit: EA

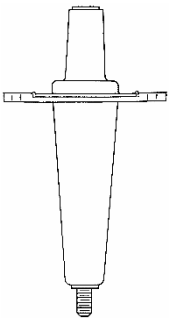
Stock No.	Description
686196	Adapter ring, 6-1/8-inch bolt circle
686270	Gasket, cork and synthetic rubber composition in 1/4-inch sheets



Straight Apparatus Bushing With Boltable Adapter Plate for 13 kV Network Transformer 6862.10

For conversion of G & W pothead terminations to straight 600 A apparatus bushing on 13 kV network transformers and other apparatus. Used with gasket Stock No. 686386, (SCL 6862.5).

Also for use with 26 kV Network Transformers when welding in adapter ring (Stock No. 686250, SCL 6862.5).

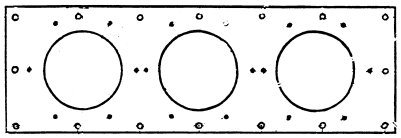


Stock Unit: EA

Stock No.	Description
686387	Bushing with adapter plate (SCL Shops-made)
686213	Adapter plate only

Terminator Adapter Plate 6862.3

To replace 3/C, 27-kV pothead G&W TRA 3855C.



Stock Unit: EA

Stock No.	Description
686202	For use with bushing PATR 1802
686204	For use with bushing PATR 1873

Gasket, Terminator Adapter Plate 6862.35

Manufactured from 3/8-inch synthetic (Buna-N) rubber.

Used with 26 kV terminator adapter plates (Stock Nos. 686202, 686204, and 686205) and “flowerpots” (Stock No. 686208).

Stock Unit: EA

Stock No.: 686221

Weld-In Adapter Ring and Gasket 6862.5

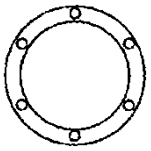
For 13 kV PATR 1701 terminator replacement.

Also used to convert 26 kV Network transformers when welded onto terminal chamber and using bushing Stock No. 686387 (see 6862.10).

Stock Unit: EA

Stock No.	Description
686250	Adapter ring, 4-3/4-inch bolt circle

686386	Gasket

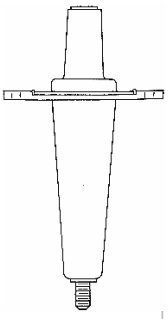


Bushing, Adapter Ring, and Gasket 6862.6

For 26 kV single-phase G&W PATR 1802 terminator replacement. For conversion of G & W PATR 1802 pothead terminations to straight 600 ampere apparatus bushing on 26 kV network transformers and other apparatus. Used with gasket Stock No. 686281.

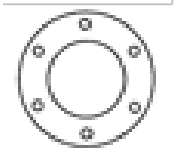
Stock Unit: EA

Stock No.	Description
686273	Bushing with adapter ring kit



686282	Adapter ring, 5-7/8-inch bolt circle

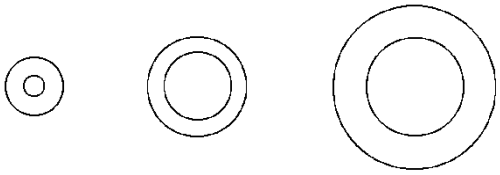
686281	Gasket, 1/4” thick cork and synthetic rubber (Buna N) composition



Gasket, Bird Guard 6862.7

Silicone sponge rubber.

Gaskets are used to fill gaps between bird guards and porcelain high-voltage bushings.



Stock Unit: EA

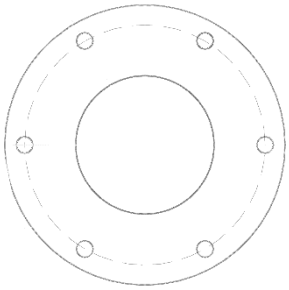
Stock No.	Outside Diameter (in)	Inside Diameter (in)	Thickness (in)
686231	1-7/8	1-1/4	1/8
686232	1-7/8	1-1/4	1/4
686233	1-7/8	1-1/4	1/2
686234	3-1/8	1-7/8	1/8
686235	3-1/8	1-7/8	1/4
686236	3-1/8	1-7/8	1/2

Clamping Adapter Ring for 90-Degree Apparatus Bushing (26 kV Network Transformer) 6862.9

Stainless steel, 5-7/8-inch bolt circle.

For conversion of G & W pothead to 90°, 600 A apparatus bushing on 26 kV network transformers and other apparatus.

There are no kits for this bushing. Parts are ordered individually and assembled at the time of conversion in the field. See U5-14/NSP-310 for quantities.



Stock Unit: EA

Stock No.: 686283

Compression Connectors, All-Aluminum, for 600 A Elbows 6863.10

All-aluminum compression connectors are used to make up 600 A, 125 kV and 150 kV BIL, deadbreak separable connectors, utilizing the dielectric components specified in SCL 6863.15 and 6863.25, respectively.

All-aluminum compression connectors can be used with either aluminum or copper conductor cable.

Stock Unit: EA

Stock No.	Conductor
686375	#1 AWG compressed 1/0 solid
686377	2/0 compact
686376	2/0 compressed
686378	3/0 compressed
686369	4/0 compressed
686366	350 kcmil compact
686351	350 kcmil compressed
686362	500 kcmil compact
010135	500 kcmil compressed
686349	750 kcmil compact
686359	750 kcmil compressed
686398	1000 kcmil compact
010136	1000 kcmil compressed

Separable Connector, Dielectric Components, 125 kV BIL, Deadbreak

6863.15

A separable connector (elbow) is a fully insulated and shielded system for terminating and electrically connecting an insulated power cable to electrical apparatus, other power cables, or both, so designed that the electrical connection can be readily established or broken by engaging or separating the connector at the operating interface. Suitable for use on 13.8 kV, 3-wire, delta systems and 26.4 kV, 4-wire, solidly grounded systems.

NOTE: The components on this page are being phased out. They have been replaced by cold-shrink technology. See SCL 6863.20, “Elbows, Deadbreak, Cold Shrink, 600 A, 125 kV BIL

T-Body

Adapter

Stock Unit: EA

Cable Adapter Stock No.	Cable Stock No.	Rated Circuit Voltage (kV)	Type	Size (AWG/kcmil)	Shape	Shield Type
686310	623650	27	3-1/C+2N	#8	Compressed	Tape
	613522	15	3/C	#1	Compressed	Tape
	613523	15	3/C	#1	Compressed	Tape
686315	613520	15	3/C	2/0	Compressed	Tape
	613521	15	3/C	3/0	Compressed	Tape
	613526	15	3/C	3/0	Compressed	Tape
686370	602027	28	1/C	#1	Class B	RW/CN
	613540	28	3/C+3G	#1	Compressed	Tape
	602025	28	1/C+1N	1/0	Solid	RW/CN
	012098	28	1/C+1N	1/0	Solid	RW/CN
	613222	5	1/C	350	Compressed	Tape
686361	601025	5	1/C	500	Class B	DW
	613530	15	3/C	350	Compact	Tape
686365	010128	15	3/C	500	Compact	Tape
	613532	15	3/C	500	Compact	Tape
	623640	15	1/C	500	Compact	Tape
	012735	15	3-1/C	500	Compressed	FS
	012099	28	1/C	350	Compact	FS
	613613	28	1/C	350	Compact	DW
	613543	28	3/C+3G	350	Compact	Tape
686352	602044	28	1/C	350	Class B	RW/CN
	012100	28	1/C	500	Compact	FS
	613615	28	1/C	500	Compact	DW
	613645	28	1/C	500	Compressed	FS
	613534	15	3/C	750	Compact	Tape
686348	602119	28	1/C	750	Compact	DW
	613618	28	1/C	750	Compact	DW
	012101	28	1/C	750	Compact	FS
686372	623660	35	1/C	750	Compressed	DW
	623670	15	3-1/C	1000	Compressed	FS
	012102	28	1/C	1000	Compact	FS
	613619	28	1/C	1000	Compact	DW
010137	613655	28	1/C	1000	Compressed	FS

Note: Adapters are not available for the following cables: Stock No. 613212, 613531, 613533, 974050, and 623655.

Separable Connector, Bolted Type, Deadbreak, 600 A, 125 kV BIL, Cable Joint Housing Kit and Bus — 6863.16

Housing kit and associated bus, including bolt and washers.

This kit is used to add a primary cable to an existing insulated bus with at least one unused way. Additional parts are required to complete the connection.

3-way bus is used to build a Y-joint when housings and bolt kits will be obtained elsewhere.

4-way bus is used to build an H-joint when housings and bolt kits will be obtained elsewhere.

SCL Material Standard 6863.16 covers the requirements for 125 kV BIL, 600 A, bolted, deadbreak, cable joint kits, straight cable-to-apparatus connector kits, insulating caps with bails, cable adapter retaining rings and special tools.

Connector systems of this type are known within Seattle City Light as modular systems. Straight cable-to-apparatus connectors are sometimes referred to as SOB connectors, where SOB stands for straight-on-bushing.

Compression lugs and cable adapters are outside the scope of this standard but are required to make a complete connection. For selection information, refer to SCL 6863.10 for 600 A compression connectors and SCL 6863.15 for 125 kV BIL cable adapters.

Jacket sealing and metallic shield adapters are also outside the scope of this standard. For more information regarding the installation of straight cable-to-apparatus connection kits, refer to SCL NSP-320 and NSP-321.

Stock Unit: EA

Stock No.	Description
687429	Housing kit

013075	3-way bus

013076	4-way bus

Separable Connector, Bolted Type, Deadbreak, 600 A, 125 kV BIL, H Joint Kit — 6863.16

H joint kits are used to join four primary cables through a single, insulated bus. Additional parts are required to complete the connection.

Stock Unit: EA

Stock No.: 687430

Separable Connector, Bolted Type, Deadbreak, 600 A, 125 kV BIL, Y Joint Kit — 6863.16

Y joint kits are used to join three primary cables through a single, insulated bus. Additional parts are required to complete the connection.

Stock Unit: EA

Stock No.: 687431

Separable Connector, Bolted Type, Deadbreak, 600 A, 125 kV BIL, Straight Cable-to-Apparatus Connector Kit — 6863.16

This cable-to-apparatus connector kit is used to connect primary cable inline to an IEEE 386, 600 A, apparatus bushing. Additional parts are required to complete the connection.

Stock Unit: EA

Stock No.: 687437

Separable Connector, Bolted Type, Deadbreak, Spiking Stem Assembly — 6863.16

This spiking stem assembly is used to ground a modular cable joint without destroying the associated cable. Once used, the stem is easily replaced for future grounding activities.

Stock Unit: EA

Stock No.: 014479

Separable Connector, Bolted Type, Deadbreak, Insulating Cap with Bail — 6863.16

Insulating caps are accessory devices designed to electrically insulate, electrically shield, and mechanically seal an unused way of an insulated bus.

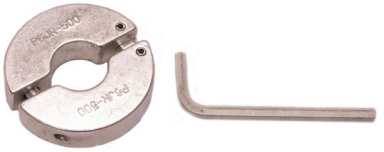
Stock Unit: EA

Stock No.: 687435

Separable Connector, Bolted Type, Deadbreak, Cable Adapter Retaining Rings — 6863.16

Cable adapter retaining rings are used to secure a cable adapter within a bolted cable joint.

Stock Unit: EA

Stock No.	Description	Cable Stock No.	
687604	For #1 AWG compressed conductor.	613522 613523	
015114	For 2/0 compressed conductor.	613520	No image available.
687606	For 3/0 compressed conductor.	613521 613526	
687610	For 350 kcmil compressed conductor.	012099 613530 613543 613613	
687612	For 500 kcmil compressed conductor.	012735 613645	
687614	For 750 kcmil compact conductor.	012101 602119 613534 613618 623660	
687615	For 1000 kcmil compressed conductor	613655 623670	

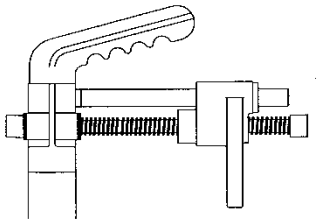
Separable Connector, Bolted Type, Deadbreak, Assembly/Disassembly Tools — 6863.16

Recommended for ease of assembly/disassembly of receptacle to insulated bus bar.

Stock Unit: EA

Stock No.	Description
687490	Assembly/disassembly tool, lever drive type

012856	Assembly/disassembly tool, worm gear type



Accessories, Separable Connector (Elbow), 600 A, 125 kV BIL, Deadbreak, Threaded Stud — 6863.17

For replacement purposes if original threaded stud is lost or damaged. This part is only appropriate for 600 A rated connector systems.

Stock Unit: EA

Stock No.: 686396

Accessories, Separable Connector (Elbow), 600 A, 125 kV BIL, Deadbreak, Connecting Plug with One Loose Stud — 6863.17

A connector that provides two in-line bushing interfaces.

Stock Unit: EA

Stock No.: 686353

Accessories, Separable Connector (Elbow), 600 A, 125 kV BIL, Deadbreak, Insulated Plugs — 6863.17

Designed to electrically insulate, electrically shield, and mechanically seal an elbow interface.

Test point cap is removable to allow access to capacitive test point.

Stock No. 686356 requires a stud.

Stock Unit: EA

Stock No.	Description
686356	Insulated plug with test point cap
686357	Insulated plug with test point cap and one loose stud

Accessories, Separable Connector (Elbow), 600 A, 125 kV BIL, Deadbreak, Multi-Way Junctions — 6863.17

For use in conjunction with 600 A, 125 kV BIL, deadbreak separable connector dielectric components (T-bodies and cable adapters), SCL 6863.15, to construct complete cable connector systems.

Stock Unit: EA

Stock No.	Description
686383	▪ Three interconnected bushings ▪ Type 160PS parking stand each end ▪ 4-in spacing center-to-center
686384	▪ Four interconnected bushings ▪ Type 160PS parking stand each end ▪ 4-in spacing center-to-center
012285	▪ Cast resin type ▪ Three interconnected bushings ▪ Type 160PS parking stand each end ▪ 4-in spacing center-to-center Cast resin type junctions are for installations where extra high-reliability components are required.
012286	▪ Cast resin type ▪ Four interconnected bushings ▪ Type 160PS parking stand each end ▪ 4-in spacing center-to-center Cast resin type junctions are for installations where extra high-reliability components are required.

Accessories, Separable Connector (Elbow), 600 A, 125 kV BIL, Deadbreak, Bushing Extender with One Loose Stud — 6863.17

A connector that provides two in-line elbow interfaces.

Stock Unit: EA

Stock No.: 686380

Accessories, Separable Connector (Elbow), 600 A, 125 kV BIL, Deadbreak, Insulated Cap with Test Point and One Stud — 6863.17

An accessory device designed to electrically insulate, electrically shield, and mechanically seal a bushing insert or integral bushing. Stud may be loose or permanent.

Stock Unit: EA

Stock No.: 686379

Accessories, Separable Connector (Elbow), 600 A, 125 kV BIL, Deadbreak, Insulated Parking Bushing, Type 160PS — 6863.17

An accessory device designed to electrically insulate, electrically shield, and mechanically seal a power cable terminated with an elbow and to be installed into a type 160PS parking stand. Requires stud.

Stock Unit: EA

Stock No.: 686382

Accessories, Separable Connector (Elbow), 600 A, 125 kV BIL, Deadbreak, Integral Bushing, with 2-15/16-Inch Shank — 6863.17

An apparatus bushing designed for use with another connector component, such as an elbow. Requires stud. For sidewall, under oil mounting.

Stock Unit: EA

Stock No.: 686394

Accessories, Separable Connector (Elbow), 600 A, 125 kV BIL, Deadbreak, Spanner Wrench — 6863.17

Used to install connecting plugs, deadbreak reducing tap plugs, and reducing tap wells.

Stock Unit: EA

Stock No.: 686358

Accessories, Separable Connector (Elbow), 600 A, 125 kV BIL, Deadbreak, Integral Bushing, with 8-9/16-Inch Shank — 6863.17

An apparatus bushing designed for use with another connector component, such as an elbow. Requires stud. Use with adapter plate, Stock No. 686213, to convert G&W pothead termination to straight apparatus bushing on 13.8 kV network transformer. This assembly requires welding. Refer to SCL 6862.10.

Use with adapter plate, Stock No. 686282, to convert G&W PATR 1802 pothead termination to straight apparatus bushing on 26.4 kV network transformer. This assembly requires welding. Refer to SCL 6862.6. For in-air application, use with Stock No. 686397.

Used by Shops to build Stock Nos. 686387 and 686273.

Stock Unit: EA

Stock No.: 686392

Accessories, Separable Connector (Elbow), 600 A, 125 kV BIL, Deadbreak, Integral Bushing, with 18-Inch Shank — 6863.17

An apparatus bushing designed for use with another connector component, such as an elbow. Requires stud. For CS transformers.

Stock Unit: EA

Stock No.: 686393

Accessories, Separable Connector (Elbow), 600 A, 125 kV BIL, Deadbreak, In-Air Bushing, with 8-1/2-Inch Shank — 6863.17

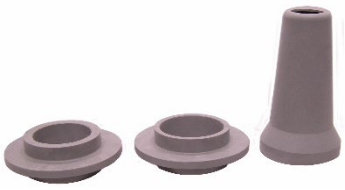
Apparatus bushing.

Stock Unit: EA

Stock No.: 686399

Accessories, Separable Connector (Elbow), 600 A, 125 kV BIL, Deadbreak, Boot and Collar — 6863.17

To allow in-air application of 8-9/16-Inch shank, integral bushing, Stock Number 686392.



Stock Unit: EA

Stock No.: 686397

Accessories, Separable Connector (Elbow), 125 kV BIL, Loadbreak Reducing Tap Plug — 6863.17

An accessory device designed for the transition of a 600 A deadbreak system to a 200 A loadbreak system. Intended for installation on the back of an existing T-body to provide a 200 A interface for testing and grounding.

Stock Unit: EA

Stock No.: 013461

Accessories, Separable Connector (Elbow), 125 kV BIL, Deadbreak Reducing Tap Plug — 6863.17

An accessory device designed for the transition of a 600 A deadbreak system to a 200 A deadbreak system. Requires stud.

Stock Unit: EA

Stock No.: 686355

Accessories, Separable Connector (Elbow), 125 kV BIL, Deadbreak Reducing Tap Plug With One Loose Stud — 6863.17

An accessory device designed for the transition of a 600 A deadbreak system to a 200 A deadbreak system. Exact same as 686355, except one loose stud is provided.

Stock Unit: EA

Stock No.: 686354

Accessories, Separable Connector (Elbow), 125 kV BIL, Reducing Tap Well With One Loose Stud — 6863.17

A connector that provides a transition from a 600 A elbow to a 200 A bushing well.

Stock Unit: EA

Stock No.: 686363

Housing Kits, Separable Connector, Deadbreak, Cold-Shrink, 600 A, 125 kV BIL — 6863.18

Cold-shrink housing is designed to work with bolted cable joint bus bars as described in SCL 6863.16.

This cold-shrink housing kit is a substitute for the standard housing kit, Stock No. 687429. Each kit eliminates the need for size specific compression lug, size specific cable adapter, size specific cable adapter retaining ring, and the jacket cutback seal.

Stock Unit: EA

Housing Kit Stock No.	Cable Stock No.	Conductor Range (AWG/kcmil)	Insulation Diameter, Min. (in)	Insulation Diameter, Max. (in)
015067	602027	#1 stranded	0.725	1.360
	012098	1/0 solid		
015068	012099	350	0.990	1.650
	012100	500		
015069	012101	750	1.268	2.145
	012102	1000		

Shield Adapter Kits for Flat Strap, Tape, or Drain Wire Shielded Cable — 6863.19

not shown: printed instructions

Shield adapter kits are designed to accommodate the grounding of accessories installed on conventional tape, drain wire, and flat strap shielded power cable. Adapter kits provide cable jacket-to-accessory sealing and grounding.

Standard fault duty shield adapter kits have a ground fault current capacity limit of 3,000 A (for 30 cycles).

High fault duty shield adapter kits have a ground fault current capacity limit of 12,000 A (for 30 cycles).

Stock Unit: EA

Stock No.	Description	Application Range, Cable Jacket Diameter (in)	Typical Cable Configurations
012662	Standard fault duty	0.83 to 1.64	#2 AWG to 250 kcmil, 15 kV #2 AWG to 250 kcmil, 28 kV #8 AWG, 27 kV, Kerite
686512	High fault duty	1.27 to 2.17	350 to 1000 kcmil, 15 kV 350 to 750 kcmil, 28 kV

Elbows, Deadbreak, Cold Shrink, 600 A, 125 kV BIL 6863.20

An elbow (separable connector) is a fully insulated and shielded system for terminating and electrically connecting an insulated power cable to electrical apparatus, other power cables, or both, so designed that the electrical connection can be readily established or broken by engaging or separating the connector at the operating interface.

These elbows are intended for use on the following three-phase, 60 Hz systems:

- 13.8 kV, 3-wire, delta, where load consists of network type transformers with delta-connected primary and grounded wye-connected secondary
- 26.4 kV, 4-wire, solidly grounded, wye-connected

Cold shrink technology provides range-taking capability and eliminates the need for cable adapters.

Elbow kits contain everything needed to make up a splice including the conductor lug.

The conductor lugs used with the kits specified in this standard are not interchangeable with the lugs typically used with traditional elbows that incorporate cable adapters.

#1-1/0 AWG kits, Stock Nos. 014311 and 014314, includes a compression lug. The remaining kits include a shear-bolt style lug. All lugs are appropriate for either copper or aluminum conductors.

Elbow housings, Stock Nos. 014314, 014315, and 014316 include an integral 25 kV class, 200 A loadbreak tap. This tap is intended for testing and grounding purposes and not for carrying load. Elbows with integral loadbreak taps cannot be stacked.

Elbow kits, Stock Nos. 014312, 014313, 014315, and 014316 each include a copper ground adapter assembly. When splicing #1-1/0 AWG, round wire concentric neutral cable it is expected the concentric wires will be used to provide continuity.

Stock Unit: EA

Stock No.	Description	Conductor Range (AWG/kcmil)
014311	Cold Shrink 600 A Elbow Kit with Copper-Top, Compression Lug[a]	#1 str-1/0 sol
014312	Cold Shrink 600 A Elbow Kit with Range-Taking, Shear Bolt[a]	350-500 str
014313	Cold Shrink 600 A Elbow Kit with Range-Taking, Shear Bolt[a]	750-1250 str
014314	Cold Shrink 600 A Elbow Kit with Copper-Top, Compression Lug and Integral 200 A Loadbreak Tap[b]	#1 str-1/0 sol
014315	Cold Shrink 600 A Elbow Kit with Range-Taking, Shear Bolt and Integral 200 A Loadbreak Tap[b]	350-500 str
014316	Cold Shrink 600 A Elbow Kit with Range-Taking, Shear Bolt and Integral 200 A Loadbreak Tap[b]	750-1250 str
014317	Range-Taking, Copper-Top Compression Lug for 600 A Elbow	#1 str-1/0 sol
014318	Range-Taking, Shear Bolt Lug for 600 A Elbow	350-500 str
014319	Range-Taking, Shear Bolt Lug for 600 A Elbow	750-1250 str

Notes:
[a] See top image
[b] See bottom image

Springs, Constant Force 6863.21

Constant force springs are available as stock items in the event the springs that are included in adapter kits are lost, damaged, or the wrong size.

Stock No. 686514 is applied to #1 to 3/0 AWG, 15 kV and #8 AWG, 27 kV, Kerite.

Stock No. 686516 is applied to 350 to 500 kcmil, 28 kV and 350 to 750 kcmil, 15 kV.

Stock No. 012127 is applied to 750 to 1000 kcmil, 28 kV and 1000 kcmil, 15 kV.

Constant force springs are also known as clock springs.

Stock Unit: EA

Stock No.	Width (in)	Outside Diameter (in)	Application Range, Cable Jacket Diameter (in)
686514	5/8	3/4	0.80 to 1.50
686516	5/8	1	1.00 to 2.20
012127	5/8	1-1/2	1.50 to 3.00

Separable Connector (Elbow), Dielectric Components, 150 kV BIL 6863.25

A separable connector (elbow) is a fully insulated and shielded system for terminating and electrically connecting an insulated power cable to electrical apparatus, other power cables, or both, so designed that the electrical connection can be readily established or broken by engaging or separating the connector at the operating interface.

Suitable for use on 13.8 kV, 3-wire, delta systems and 26.4 kV, 4-wire, solidly grounded systems. 150 kV BIL T-bodies, straight bodies, and cable adapters cannot be used interchangeably with 125 kV BIL dielectric components. New construction should utilize 125 kV BIL material, except in cases where the equipment being connected to has 150 kV BIL bushings. 600 A and 900 A compression connectors can be used to make up either 125 kV BIL or 150 kV BIL separable connectors. Dielectric components alone do not have a current rating.

Refer to SCL U5-17.10/NSP-305 or U5-2.8.4/NSP-300 for a list of the cable adapters and compression connectors

Stock Unit: EA

Stock No.	Description	Cable insulation OD, Minimum Range (in)
687060	T-body	
687019	Cable adapter	0.875-0.985
687020	Cable adapter	1.220-1.375
687025	Cable adapter	1.285-1.395
687028	Cable adapter	1.485-1.595
687030	Cable adapter	1.575-1.685
687035	Cable adapter	1.665-1.780

Accessories, Separable Connector, 600 A, 150 kV BIL, Deadbreak 6863.27

The accessories described below are intended to be used in conjunction with 150 kV BIL deadbreak separable connector dielectric components (T-bodies and cable adapters), SCL 6863.25, to construct complete cable connector systems. 150 kV BIL T-bodies and cable adapters cannot be used interchangeably with 125 kV BIL dielectric components. New construction should utilize 125 kV BIL material, except in cases where the equipment being connected to has 150 kV BIL bushings.

Stock Unit: EA

Stock No.	Description
687260	Connecting plug with one stud. Provides two in-line bushing interfaces.
687270	Insulated plug with test point cap designed to electrically insulate, electrically shield, and mechanically seal an elbow interface. The test point cap is removable to allow access to capacitive test point. Requires stud.
687280	Insulated Plug with Test Point Cap and One Loose Stud. Designed to electrically insulate, electrically shield, and mechanically seal an elbow interface. Test point cap is removable to allow access to capacitive test point. Exact same as 687270, except one loose stud is provided.

900 A Connector, All-Copper-Type, Tin Plated 6863.30

All-copper compression connectors are used to make up 900 A, 125 kV and 150 kV BIL, deadbreak separable connectors, utilizing the dielectric components specified in Material Standards 6863.10 and 6863.15, respectively.

All-copper compression connectors can only be used with copper conductor cable; all-copper compression connectors shall not be used with aluminum conductor cable.

Stock Unit: EA

Stock No.	Conductor
686913	#1 AWG compressed
686914	3/0 AWG compressed
686916	350 kcmil compact
686917	500 kcmil compact
686918	500 kcmil compressed
686919	750 kcmil compact
686920	1000 kcmil compact
012128	1000 kcmil compressed

Separable Connector Kit, Cooper Power Systems, T-OP II, 900 A, 125 kV BIL, Deadbreak — 6863.34

Kit includes T-body with test point, test point cap, cable adapter, threaded copper stud, copper compression connector, and insulated cap for 200 A bushing.

A separable connector (elbow) is a fully insulated and shielded system for terminating and electrically connecting an insulated power cable to electrical apparatus, other power cables, or both, so designed that the electrical connection can be readily established or broken by engaging or separating the connector at the operating interface. Suitable for use on 13.8 kV, 3-wire, delta systems and 26.4 kV, 4-wire, solidly grounded systems. For situations where a 200 A interface is required for testing, grounding, or overvoltage protection.

Stock Unit: EA

Stock No.	Description
686223	28 kV, 1/0 AWG solid aluminum, bare CN cable, Stock No.602025
	28 kV, 1/0 AWG solid aluminum, jacketed CN cable, Stock No. 012098
012486	28 kV, 500 kcmil compact stranded copper cable, Stock No. 012100
686226	28 kV, 750 kcmil compact stranded copper cable, Stock No. 012101

Operating, Test, and Torque Tool for Separable Connector Kit — 6863.34

Combined operating, test, and torque tool that allows single hotstick operation of Cooper Power System T-OP II.

Stock Unit: EA

Stock No.: 686227

T-Wrench for Separable Connector Kit — 6863.34

For installing a loadbreak reducing tap plug into Cooper Power Systems T-OP II.

Stock Unit: EA

Stock No.: 686228

Accessories, Separable Connector (Elbow), 900 A, 125 kV BIL, Deadbreak — 6863.37

The cable accessories below are intended to be used in conjunction with 125 kV BIL, deadbreak separable connector dielectric components (T-bodies and cable adapters), SCL 6863.15, to construct complete cable connector systems.

Note: Some accessories are provided with a stud. If an accessory is provided with the stud factory-installed, it should be considered permanent and not removable.

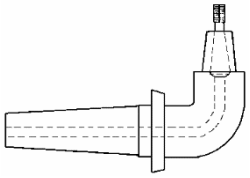
Stock Unit: EA

Stock No.	Description
686925	Threaded stud, 5/8-inch, copper. For replacement purposes if original threaded stud is lost or damaged.
686900	An apparatus bushing designed for use with another connector component, such as an elbow. Requires copper stud. For sidewall, under oil mounting.
686905	A connector that provides two in-line bushing interfaces.
686910	An accessory device designed to electrically insulate, electrically shield, and mechanically seal an elbow interface. Test point cap is removable to allow access to capacitive test point.
686915	A connector that provides a transition from a 900 A elbow to a 200 A bushing well. Requires copper stud.

Apparatus Bushing, 90-Degree, 600 A — 6863.5

For transformer and switch conversion and repairs. For 13 kV and 26 kV systems.

Used to terminate XLPE power cable with separable connectors on the primary side of network transformers. The bushing will be clamped into the terminal chamber with the lower end submersed in oil and the outer end interfaced to terminate with 600 ampere deadbreak elbows and components. See U5-14/NSP-310 for more information.



Stock Unit: EA

Stock No.: 687009

Compression Connector, Bi-Metallic (Copper Top), for 200 A Elbows 6864.00

Bi-metallic compression connectors are used to make up 200 A loadbreak and 200 A deadbreak separable connectors (elbows), SCL 6864.10 and 6864.00 respectively. In the majority of cases, 200 A elbow kits include a bi-metallic compression connector.

Bi-metallic compression connectors are available separately for situations where the connector provided with a particular kit is lost, damaged, or not the correct size.

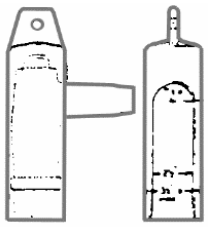
Bi-metallic compression connectors can be used with either aluminum or copper conductor cable.

Compression connector, Stock No. 686424, is used exclusively with elbows, Stock Nos. 686442 or 686440, to terminate 27 kV, #8 AWG copper cable (Kerite).

Stock Unit: EA

Stock No.	Conductor
686417	#1 AWG stranded 1/0 AWG solid
686421	#2 AWG stranded #1 AWG solid
686424	#8 AWG stranded (Kerite)

Cover, Loadbreak Elbow 6864.03



Aids in keeping the loadbreak elbow/bushing interfaces free of dirt, mud, and other contaminants.

Stock Unit: EA

Stock No.: 686467

Separable Connector (Elbow), 200 A, Loadbreak Kits 6864.05

A separable connector (elbow) is a fully insulated and shielded system for terminating and electrically connecting an insulated power cable to electrical apparatus, other power cables, or both, so designed that the electrical connection can be readily established or broken by engaging or separating the connector at the operating interface.

Suitable for use on 26.4 kV, 4-wire, solidly grounded systems and 5 kV systems. Because of high fault duty, connectors rated 200 A continuous are not appropriate for network systems. Network systems should be constructed with connectors rated 600 A (or 900 A) continuous.

Stock Unit: EA

Stock No.	Conductor Application	Conductor Stock No.
686445	28 kV, 1/0 AWG solid aluminum, bare CN cable	602025
	28 kV, 1/0 AWG solid aluminum, jacketed CN cable	012098
686442	27 kV, #8 AWG copper Kerite cable	623650

Separable Connector (Elbow), 200 A, Loadbreak Probe Kit — 6864.05

For replacement of spent loadbreak elbow probes of any make.
Kit includes probe, installation tool, silicone lubricant, and instruction sheet.

Stock Unit: EA

Stock No.: 686423

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Loadbreak: Multi-Way Junction (J-Box), Five-Well, with Type 160PS Parking Stand Each End — 6864.07

An accessory device with five interconnected wells. Center-to-center spacing is four inches.

Does not include bushing inserts. Order five loadbreak bushing inserts, Stock No. 686449, or five deadbreak bushing inserts, Stock No. 686430, for each five-well, junction box to form a complete unit.

Stock Unit: EA

Stock No.: 686555

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Loadbreak: Insulated Cap — 6864.07

An accessory device designed to electrically insulate, electrically shield, and mechanically seal a bushing insert or integral bushing. For 26.4 kV or 5 kV loadbreak, transformer and junction box bushings.

Includes a 5-foot (+/- 1 ft) drain wire lead.

Stock Unit: EA

Stock No.: 686452

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Loadbreak: Threaded Stud, 1-5/16 in by 3/8–16 — 6864.07

For replacement purposes if original threaded stud is lost or damaged. Stud is used to connect a loadbreak bushing insert, Stock No. 686449, or deadbreak bushing insert, Stock No. 686430, into a Patton & Cooke or Cooper Power Systems five-well, junction box, Stock No. 686555.

Stock Unit: EA

Stock No.: 686216

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Loadbreak: Multi-Way Junction (J-Box), Four-Bushing, with Type 160PS Parking Stand Each End

6864.07

An accessory device with four interconnected bushings. Center-to-center spacing is four inches.

Stock Unit: EA

Stock No.: 686455

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Loadbreak: Multi-Way Junction (J-Box), Three-Bushing, with Type 160PS Parking Stand Each End

6864.07

An accessory device with three interconnected bushings. Center-to-center spacing is four inches.

Stock Unit: EA

Stock No.: 686454

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Loadbreak: Multi-Way Junction (J-Box), Two-Bushing, with Type 160PS Parking Stand Each End

6864.07

An accessory device with two interconnected bushings. Center-to-center spacing is four inches.

Stock Unit: EA

Stock No.: 686552

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Loadbreak: Feed-Thru Parking Bushing — 6864.07

An accessory device with two electrically interconnected bushing interfaces that can be installed into a type PS160 parking stand.

Stock Unit: EA

Stock No.: 686453

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Loadbreak: Bushing Insert — 6864.07

A connector component intended for insertion into a bushing well designed for use with another connector component, such as an elbow.

Stock Unit: EA

Stock No.: 686449

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Loadbreak: Insulated Parking Pushing, Type 160PS — 6864.07

An accessory device designed to electrically insulate, electrically shield, and mechanically seal a power cable terminated with an elbow and to be installed into a type 160PS parking stand.

Stock Unit: EA

Stock No.: 686450

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Loadbreak: Grounding Parking Bushing, Type 160PS, with 5-ft Ground Lead, 2/0 Copper

6864.07

An accessory device designed to electrically ground and mechanically seal a de-energized power cable terminated with an elbow and to be installed into a type 160PS parking stand.

Stock Unit: EA

Stock No.: 686451

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Loadbreak: Grounding Elbow with 5-ft Ground Lead, 2/0 Copper

6864.07

A connector component for connecting a ground conductor to a bushing for the purpose of aiding the safe operation of the system. May be used in conjunction with a feed-thru parking bushing to ground a power cable.

NOTE: Obtain from Tool Room.

Stock Unit: EA

Stock No.: N/A

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Loadbreak: Test Probe

6864.07

An accessory device designed to extend the energized bus contained within a bushing for the purpose of allowing easy attachment of a voltage detector, fault locator, or other test equipment. Test probe is not rated for grounding.

Stock Unit: EA

Stock No.: 686443

Cable Accessory Sealing Kit for Jacketed, Round Wire Concentric Neutral Cable — 6864.09

Cable accessory sealing kits, including cold shrink sealing tube, mastic sealing strips, and printed instructions.

Cable accessory sealing kits provide a reliable means of sealing the jacket end of round wire concentric neutral power cables where elbows or other cable accessories are installed.

This kit is applied to #2 to 2/0 AWG, 28 kV cable.

This kit has an application range of 0.95 to 1.94 inches in diameter.

Stock Unit: EA

Stock No.	Application Range Diameter (in)	Cable Application
012687	0.95 to 1.94	#2 to 2/0 AWG, 28 kV

Separable Connector (Elbow), 200 A Deadbreak Kits — 6864.15

Elbow kit, Stock No. 686440, does not include a compression connector.

Elbow kits, Stock Nos. 686412, 686413, and 686414, are special cases. Little technical information is known about the cables they are to be used with. Elbows and related cables were installed in the Seattle neighborhoods of Laurelhurst and Hillcrest. These three kits are spares for emergency replacement only.

Stock Unit: EA

Stock No.	Application	Cable Stock No.
686416	28 kV, 1/0 solid aluminum, bare CN cable	602025
	28 kV, 1/0 solid aluminum, jacketed CN cable	012098
686440	27 kV, #8 AWG copper Kerite cable	623650
686412	5 kV, #2 AWG cable	None
686413	5 kV, 1/0 cable	None
686414	15 kV, 1/0 cable	None

Accessories for Separable Connector (Elbow), 200 A Deadbreak Kit: Probe Contact — 6864.15

Replacement part for deadbreak kit.

Stock Unit: EA

Stock No.: 686426

Accessories for Separable Connector (Elbow), 200 A Deadbreak Kit: Hold Down Bail Assembly — 6864.15

Replacement part for Cooper Power Systems elbows. Spring-loaded.

Stock Unit: EA

Stock No.: 012435

Accessories for Separable Connector (Elbow), 200 A Deadbreak Kit: Hold Down Bail Assembly — 6864.15

Replacement part for Thomas & Betts (Elastimold) elbows. Spring-loaded.

Stock Unit: EA

Stock No.: 012587

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak Kit: Insulated Cap with 5-ft Drain Wire Lead — 6864.17

An accessory device designed to electrically insulate, electrically shield, and mechanically seal a bushing insert or integral bushing.

For 26.4 kV or 5 kV deadbreak, transformer, and junction box bushings.

Stock Unit: EA

Stock No.: 686411

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak Kit: Shipping Cap

6864.17

Replacement shipping cap for instances when original cap is lost. Shipping caps are used to keep the mating surface of the elbow clean during shipping, storage, and handling prior to installation. It has no dielectric properties and is not to be used on energized systems.

Stock Unit: EA

Stock No.: 686469

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak Kit: Insulated Plug

6864.17

An accessory device designed to electrically insulate, electrically shield, and mechanically seal an elbow interface.

Stock Unit: EA

Stock No.: 686456

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak Kit: Multi-Way Junction (J-Box), Four-Bushing, with Type 160PS Parking Stand Each End

6864.17

An accessory device with four interconnected bushings. Center-to-center spacing is four inches.

Stock Unit: EA

Stock No.: 686730

Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak Kit Accessories: Multi-Way Junction (J-Box), Three-Bushing, with Type 160PS Parking Stand Each End

6864.17

An accessory device with three interconnected bushings. Center-to-center spacing is four inches.

Stock Unit: EA

Stock No.: 686732

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak Kit: Bushing Well, Four-Hole Clamp Ring,

6864.17

An apparatus bushing having a cavity for insertion of connector component, such as a bushing insert.

Gasket to be field fabricated.

Stock Unit: EA

Stock No.: 686433

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak Kit: Bushing Well, 9-1/4-inch Shank

6864.17

An apparatus bushing having a cavity for insertion of a connector component, such as a bushing insert.

Stock Unit: EA

Stock No.: 686434

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak Kit: Bushing Well, 10-1/2-inch Shank, 3/8-inch Stud

6864.17

An apparatus bushing having a cavity for insertion of a connector component, such as a bushing insert.

Bushing well designed to fit in a 2.31-inch hole.

Stock Unit: EA

Stock No.: 686435

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak Kit: Bushing Well, 15-inch Shank

6864.17

An apparatus bushing having a cavity for insertion of a connector component, such as a bushing insert.

Stock Unit: EA

Stock No.: 686437

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak Kit: Bushing Insert

6864.17

A connector component intended for insertion into a bushing well designed for use with another connector component, such as an elbow.

Stock Unit: EA

Stock No.: 686430

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak Kit: Feed-Thru Bushing Insert

6864.17

An accessory device with two electrically interconnected bushing interfaces that can be installed into a bushing well.

Stock Unit: EA

Stock No.: 686726

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak Kit: Grounding Parking Bushing, 151PS

6864.17

An accessory device designed to electrically ground and mechanically seal a de-energized power cable terminated with an elbow and to be installed into a type 151PS parking stand.

Stock Unit: EA

Stock No.: 686432

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak Kit: Insulated Parking Bushing, 151PS

6864.17

An accessory device designed to electrically insulate, electrically shield, and mechanically seal a power cable terminated with an elbow and to be installed into a type 151PS parking stand.

Stock Unit: EA

Stock No.: 686458

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak Kit: Insulated Parking Bushing, 160PS

6864.17

An accessory device designed to electrically insulate, electrically shield, and mechanically seal a power cable terminated with an elbow and to be installed into a type 160PS parking stand.

Stock Unit: EA

Stock No.: 686462

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak Kit: T-Splice

6864.17

A receptacle connector component for connecting a power cable to two in-line bushing interfaces, so designed that the axes of the cable and bushing interfaces are perpendicular. Hold down bails are required, but not included.

Stock Unit: EA

Stock No.: 686420

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak Kit: Bail, Special Purpose, “T” Connector Hold Down Assembly

6864.17

Holds down a “T” connector to apparatus.

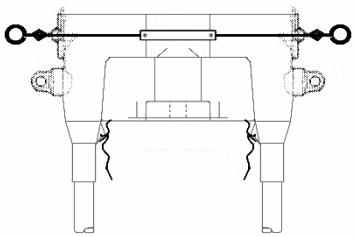
Stock Unit: EA

Stock No.: 686560

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak Kit: Bailing Assembly Connectors, Special Purpose, Dual Elbow Hold Down Assembly

6864.17

Holds down two elbows on inline junction and/or “T” connector. To be used in conjunction with hold down bails provided with elbows.



Stock Unit: EA

Stock No.: 686551

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak Kit: Bail, Special Purpose, Deadend Plug Hold Down Assembly

6864.17

Holds down a deadend plug inside a “T” connector.

Stock Unit: EA

Stock No.: 686561

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak Kit: Bail, Special Purpose, Elbow Hold Down Assembly

6864.17

Holds down a deadbreak elbow on a J-box or transformer bushing.

Stock Unit: EA

Stock No.: 686562

Accessories for Separable Connector (Elbow), 200 A, 125 kV BIL, Deadbreak Kit: Bail, Special Purpose, Insulating Cap Hold Down Assembly — 6864.17

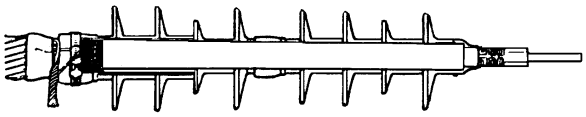
Holds down an insulating cap, Stock No. 686411.

Stock Unit: EA

Stock No.: 686563

Terminator, High-Voltage Cables, Cold Shrink — 6865.10

All terminations are rated 35 kV. Refer to SCL U5-26.20/ NSP-285 for selecting appropriate stock number for a given cable size.

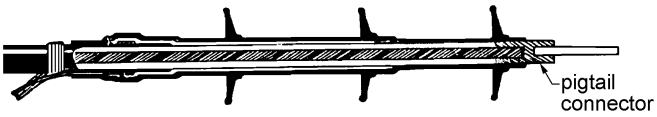


Stock Unit: EA

Stock No.	Insulation OD Range (in)
686531	0.64-0.90
686532	0.83-1.53
012125	1.05-1.80
012126	1.53-2.32

Terminator, High-Voltage Cables, Heat Shrink — 6865.10

Connector not included. See SCL 6772.00 for connector.



Stock Unit: EA

Stock No.	Insulation OD Range (in)	Voltage (kV)
686521	0.80 - 1.25	5
686522	1.10 - 1.65	15
686526	0.85 - 1.40	25
686527	1.25 - 1.80	25
686528	1.10 - 1.70	25
686536	1.60 - 2.45	35[a]
686538	1.97 - 2.56	35[b]

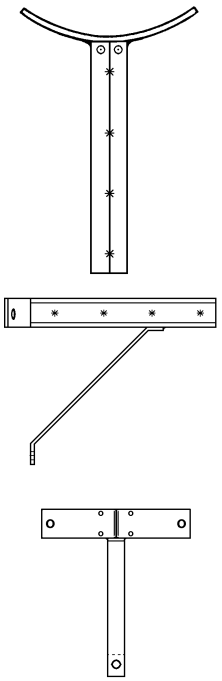
Notes:
[a] Stock No. 686536 is for the Birmingham Steel line.
[b] Stock No. 686538: 46 kV termination for 1000 kcmil 35 kV cable at South Sub for Birmingham Steel service. Old Raychem Catalog No. HVT-4604 is OK to use.

Bracket, Conduit 6867.50

For pole risers.

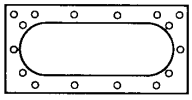
Stock Unit: EA

Stock No.	Length (in)	Description
686784 E	10-1/2	Bracket, without brace
686786 E	12-1/2	"
686790 E	18	"
686792 E	10-1/2	Bracket, with brace "
686794 E	12-1/2	
686796 E	18	"
012330	26	"

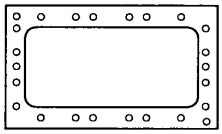


Gasket, Transformer to Network Protectors 6867.9

Cork and synthetic (Buna N) rubber.



686798



686799

Stock Unit: EA

Stock No.	Network Protector
686798	800 through 1875 A
686799	2500 through 3500 A

Heat Shrink Splice, Straight, 110 kV BIL, Tyco 6873.11

Heat-shrink splices are also known as cable joints or Raychems.

Heat shrink splices are used to permanently join two like-sized conductors, TRXLPE or EPR insulated, tape or flat strap shielded, medium voltage cable ends.

These splices are for use on the SCL 13.8 kV, 3-wire, delta network system, where load consists of network type transformers with delta connected primary and grounded wye connected secondary.

Heat shrink kits contain everything that is needed to make up a splice, except the connector. While tapered connectors are preferred, non-tapered or secondary connectors may be used as long as they are no sharper than an “H” style connector and the stress relief mastic (SRM) success fully smooths them out.

Stock Unit: EA

Stock No.	Conductor Size, AWG/kcmil	Insulation Overall Diameter Range (in)	Jacket Overall Diameter, Maximum (in)
013055	#1	0.65-0.95	1.20
013056	350-500	0.85-1.30	1.65
013057	750-1000	1.10-1.55	1.90

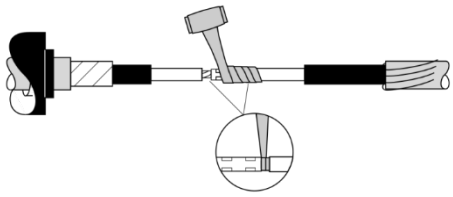
Splice Kits, Cable, Heat-Shrink, Straight, 150 kV BIL 6873.16

Heat-shrink cable splices are also known as cable joints or Raychems.

Heat-shrink splices are used to permanently join two medium voltage cables. Cable may be insulated with TRXLPE, EPR, or EAM and shielded with tape, flat strap, or round wire/CN.

With the use of shim kits, cables of two different conductor sizes can be joined as long as they fall within the same kit range.

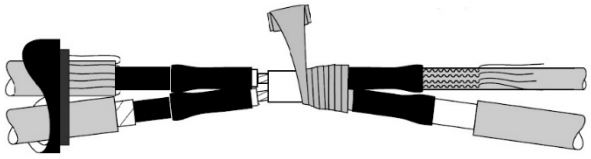
The current and temperature rating of a properly installed cable splice is equal to or greater than that of the cable for which it is designed.



Stock Unit: EA

Stock No.	Conductor Size, AWG/kcmil	Cable Construction	Insulation Overall Diameter Range (in)	Jacket Overall Diameter, Maximum (in)	Notes
687506	#1-250	CN	0.90-1.20	1.55	Extra long repair
687507	#1-250	"	0.90-1.20	1.55	
687508	350-500	"	1.20-1.50	1.95	
687510	#1-250	Tape, RW, FS	0.90-1.20	1.50	
687514	350-500	"	1.20-1.50	1.95	
687516	750-1000	"	1.50-1.80	2.40	

Splice Kits, Cable, Heat Shrink, 3- or 4-Way Wye, 110 kV BIL — 6873.41



Heat shrink splices are used to permanently join three or four medium voltage cables. Cable may be insulated with TRXLPE or EPR, and shielded with tape, flat strap, or round concentric neutral wire.

Splice kits contain everything needed to make up a splice, except a conductor.

With the use of shim kits, cables of two different conductor sizes can be joined as long as they fall within the same kit range. See SCL 6873.43 for shim kit material standard information.

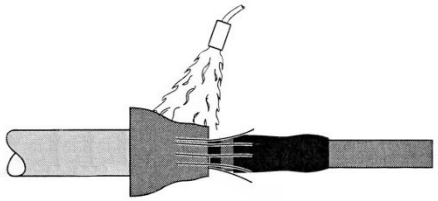
The current and temperature rating of a properly installed cable splice is equal to or greater than that of the cable for which it is designed.

A standard kit will join three cables. To join four cables, order both the standard kit and the appropriate modification (mod) kit.

Stock Unit: EA

	Conductor Range		Insulation Diameter		
Stock No.	Main, Min-Max (AWG/kcmil)	Tap, Min-Max (AWG/kcmil)	Main, Min-Max (in)	Tap, Min-Max	Kit Installed Length (in)
687540	#2-350	#2-350	0.65-1.05	0.65-1.05	28
687545	#2-350	#2-350	0.65-1.05	0.65-1.05	28
687541	250-750	250-750	0.95-1.45	0.65-1.45	30
687546	250-750	250-750	0.95-1.45	0.65-1.45	30
011909	750-1000	#1-250	1.05-1.70	0.65-1.05	34

Shim Kits, Heat-Shrink Splice, 110 kV BIL 6873.43



Shim kits are used to increase the insulation diameter of polymeric cable, allowing it to fit in the use range of a standard splice kit. The shim kit may be used for 1/C copper, tape, LC shield, wire shield, lead sheath, jacketed and unjacketed concentric neutral cables.

To determine the correct shim kit to use, select the shim kit that fills the larger of the two cables within the kit insulation diameter use range. If the large cable fits in more than one kit, use the smaller kit.

Shim kits do not contain connectors. If needed, order size reducing connector separately.

Stock Unit: EA

Stock No.	Cable Insulation Diameter Range (in)	Application
687551	0.60-1.05	For 3/0 as the smaller main leg (250 to 750 kcmil) in wye splice, Stock No. 687541
687553	0.90-1.50	For 500 kcmil Cu to 750 kcmil Al in straight splice, Stock No. 687516
687554	0.70-1.15	For cable sizes smaller than 350 kcmil (350 to 500 kcmil) in straight splice, Stock No. 687514

Kit Minimum Insulation Diameter (in)	Smaller Cable Insulation Diameter (in)	Use Shim Kit Stock No.
0.80	0.60-0.80	687551
0.85	0.65-0.85	"
0.90	0.70-0.90	"
0.95	0.80-0.95	"
1.00	0.85-1.00	"
1.05	0.90-1.05	"
1.10	0.90-1.10	687553
1.15	0.95-1.15	"
1.20	1.00-1.20	"
1.25	1.10-1.25	"
1.30	1.15-1.30	"
1.35	1.20-1.35	"
1.40	1.25-1.40	"
1.45	1.30-1.45	"
1.50	1.35-1.50	"
1.10	0.70-0.90	687554
1.15	0.80-0.95	"
1.20	0.85-1.00	"
1.25	0.95-1.10	"
1.30	1.00-1.15	"

PILC to TRXLPE Transition Splices, 110 kV BIL 6873.49

Heat shrink transition splices are used with 15 kV rated Network cable.

Heat shrink transition splices reduce the complexity of splicing one 3/C PILC cable to three 1/C polymeric cables. By converting the PILC cable to a polymeric equivalent, the splices eliminate compound filling and difficult lead wiping.

Here, polymeric cable insulation means either tree retardant crosslinked polyethylene (TRXLPE), ethylene propylene rubber (EPR), or ethylene alkene copolymer (EAM). PILC stands for paper-insulated, lead-covered cable.

Kits do not include connectors.

Stock Unit: EA

	687130	**687132**	**687134**
Transition from	3/C, #4-3/0 AWG, PILC	3/C, 3/0-300 kcmil, PILC	3/C, 500 kcmil, PILC
Transition to	3-1/C, #1-3/0 AWG, TRXLPE	3-1/C, 350 kcmil, TRXLPE	3-1/C, 500 kcmil, TRXLPE
Conductor size range, AWG/kcmil	#4-4/0	250-350	500-750
Insulation diameter, min-max (in)			
PILC	0.60-1.00	0.85-1.10	1.05-1.50
Poly	0.65-1.05	0.90-1.30	1.10-1.60
Jacket outside diameter, max (in)	1.35	1.50	1.90
Connector dimensions, max (in)			
Outside diameter	0.90	1.15	1.60
Length	4.5	5.5	7.0
Kit installed length (in)	40	40	48
Required installation space (in)	60	62	68
Connector supplied with kit	None	None	None

PILC to TRXLPE Transition Splices, 150 kV BIL 6873.51

Heat shrink transition splices are used with 28 kV rated Network cable.

Heat shrink transition splices reduce the complexity of splicing one 3/C PILC cable to three 1/C polymeric cables. By converting the PILC cable to a polymeric equivalent, the splices eliminate compound filling and difficult lead wiping.

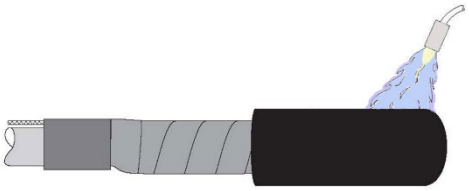
Here, polymeric cable insulation means either tree retardant crosslinked polyethylene (TRXLPE), ethylene propylene rubber (EPR), or ethylene alkene copolymer (EAM). PILC stands for paper-insulated, lead-covered cable.

Kits do not include connectors.

Stock Unit: EA

	687136	**687138**	**687140**
Transition from	3/C, #1-4/0 AWG, PILC	3/C, 4/0 AWG, PILC	3/C, 500 kcmil, PILC
Transition to	3-1/C, #1-1/0 AWG, TRXLPE	3-1/C, 350 kcmil, TRXLPE	3-1/C, 350 kcmil, TRXLPE
Conductor size range, AWG/kcmil	#1-250	#1-250	350-500
Insulation diameter, min-max (in)			
PILC	1.85-1.20	0.85-1.20	1.15-1.40
Poly	0.90-1.25	0.90-1.25	1.15-1.50
Jacket outside diameter, max (in)	1.55	1.55	2.00
Connector dimensions, max (in)			
Outside diameter	1.10	1.10	1.35
Length	5.50	5.50	7.0
Kit installed length (in)	48	48	48
Required installation space (in)	65	65	75
Required connector	Homac	Homac	Homac
(not included with kit)	SAC 4/0R2	SAC 350R4/0	SAC 500R350
External grounding/shield interrupting kit (included with main kit)	EG-1	EG-2	EG-2

Live End Seals, Heat Shrink, 110 kV BIL 6873.57



Heat shrink, live end seals are used with 15 kV rated Network cable.

Heat shrink, live end seals insulate and seal the ends of 1/C, polymeric, and paper-insulated, lead-covered (PILC) cables and 3/C PILC cables.

Polymeric cable insulation includes tree retardant crosslinked polyethylene (TRXLPE), ethylene propylene rubber (EPR), ethylene alkene copolymer (EAM).

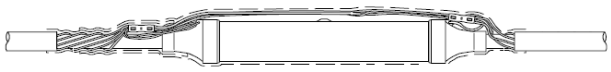
Typical applications include:

- Live ending of spare cables for future use
- Isolating a failed cable length
- Sectionalizing a cable circuit during system maintenance and repair, expansion, or testing

Stock Unit: EA

	686611	**686612**	**686613**	**686616**
Conductor size, AWG/kcmil	#4-4/0	250-350	500-750	#4-4/0
Cable insulation system	Polymeric or PILC	Polymeric or PILC	Polymeric or PILC	PILC only
Insulation diameter, min-max (in)				
PILC	0.60-0.90	0.85-1.10	1.05-1.30	0.60-1.00
Poly	0.65-1.05	0.90-1.30	1.10-1.60	-
Kit installed length (in)	12	12	12	27
Connector supplied with kit	None	None	None	None
Typical City Light cable application	1/C, #1-3/0 AWG, TRXLPE	1/C, 350-500 kcmil, TRXLPE	1/C, 750 kcmil, TRXLPE	3/C, #4-3/0 AWG, PILC

Molded Rubber Cable Repair Splicing Kit, 200 kV BIL — 6874.08



200 kV BIL cable repair splicing kits are for the inline repair of direct-buried, jacketed and unjacketed, concentric neutral, 28 kV, 1/0 AWG solid aluminum, TRXLPE-insulated cable. This kit can also be used to repair 28 kV, #1 AWG stranded aluminum cable.

Cable repair splicing kits include a special, one-piece connector that bridges the gap resulting from the removal of damaged cable. The elongated splice body allows for the removal of up to 6 inches of damaged cable.

For damaged jacketed cable it is recommended to also install an accessory splice jacket (not included in kit).

This splice kit is intended for repair only. Use Stock No. 014193 for new construction.

Stock Unit: EA

Stock No.: 687163

Splice Kits, Straight, Cold-Shrink — 6874.19

150 kV BIL, straight, single conductor (1/C), cold-shrink, cable splice kits.

Stock Unit: EA

Stock No.	Description	Cable Stock No.	Conductor Size (AWG/kcmil)	Cable Construction[a]	Insulation Overall Diameter Range (in)
014193	Cold Shrink Splice Kit with compression connector	602027	#1 str	RWCN	0.88–0.98
		012098	1/0 sol	RWCN	0.88–0.97
014194	Cold Shrink Splice Kit with range-taking shear-bolt connector	012099	350	FS	1.22-1.28
014195	"	012100	500	FS	1.34-1.40
014197	"	012101	750	FS	1.52-1.58
		012102	1000	FS	1.67-1.73

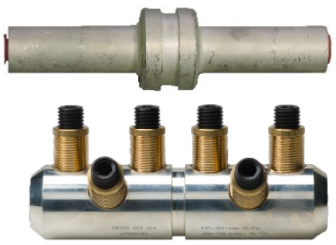
Note:
[a] RWCN = round wire concentric neutral; FS = flat-strap shield

Connectors for Straight, Cold-Shrink Splice Kits — 6874.19

Replacement connectors for 150 kV BIL, straight, single conductor (1/C), cold-shrink, cable splice kits.

Stock Unit: EA

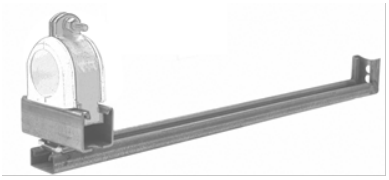
Stock No.	Description	Conductor Range (AWG/kcmil)
014198	Range-taking compression connector	#1-1/0
014199	Range-taking shear-bolt connector	1/0-500
014200	"	350-750
014201	"	600-1200



Bracket Assembly, Vertical Cable Support, Network 6880.00

Custom fabricated steel bracket assembly. Provides a means to secure heavy primary cable to Network transformers with G&W Electric Co. type PATR terminators. Refer to SCL Construction Guideline NSP-270.

Non-ceramic cable support assembly (consisting of a stainless-steel clamp set and a thermoplastic cushion) is issued as a separate item.



Stock Unit: EA

Stock No.: 012468

Insulator, Medium-Voltage, Porcelain, Pin-Type, Tie Top — 6900.10

Gray, porcelain, pin type insulator with “C” neck tie top.

ANSI C29.5 Class 55-2.

Porcelain pin-type insulators are installed on wood crossarms to support lines rated up to 2.6 kV, phase-to-ground.

Stock Unit: EA

Stock No.: 690005 E

Guy Strain Insulator — 6900.50

To be installed in-line with down guys on utility poles to provide electrical insulation to the guy wire and anchor if a conductor makes contact with the guy, and to keep grounded guy wires out of hot working areas.

Stock Unit: EA

Stock No.	Section Length (in)
690090	36
690092	12
690094	108
690096	24

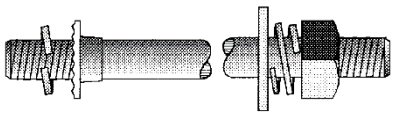
Guy Strain Insulator, Porcelain — 6901.10

Gray. Installed in down guys and span guys to create an electric break.

Stock Unit: EA

Stock No.	Length (in)	ANSI C29.4 Class
690104 E	4-1/4	54-2
690106 E	5-1/2	54-3

Stud Bolts for Line Post Insulators 6901.31



Long stud bolts are furnished with a 2-1/4" x 2-1/4" square washer, a lock washer, a square nut, and a helical spring washer.

Short stud bolts are furnished with two lock washers and a hex nut.

Long and short bolts are interchangeable in the insulators. All parts are hot-dipped galvanized.

Stock Unit: EA

Stock No.	Description	Size (in)
696826 E	Short stud	3/4 x 1-3/4
696828 E	Long stud	3/4 x 7-1/2

Insulator, Line Post, Vise Top, Polymer, for Distribution Systems 6901.35

Made of fiberglass-reinforced resin rod core, polymer weathersheds, and metal end fittings.

Polymer insulators are also known as composite insulators.

Used with crossarms and wood poles to support 26 kV, bare, 397 and 954 kcmil ACSR distribution conductors.

Can be installed vertically or horizontally.

The tie top version of this insulator, for vertically supporting 4/0 copper and smaller size conductors, is specified in SCL 6901.45.

Stock Unit: EA

Stock No.: 014517

Insulator, Vertical Line Post, Porcelain, Clamp Top 6901.40

Gray porcelain, clamp top, vertical line post insulators with Trunnion fittings.

Used to construct overhead distribution lines.

Stock Unit: EA

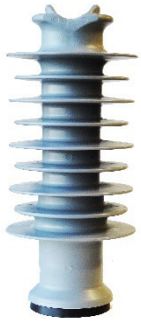
Stock No.	Typical Application	Vertical Coupling Length (in), Nominal
690159	26 kV nominal lines	13
690163	46 kV or 26 kV nominal lines in contaminated areas	16
690166	69 kV or 35 kV lines in contaminated areas	21.5

Insulator, Vertical Line Post, Polymer, Tie Top — 6901.45

Gray polymer vertical line post insulator with F neck tie top. Used with crossarms and wood poles to support 26 kV, bare, 4/0 copper and smaller size distribution conductors.

For use in both non-contaminated and contaminated environments.

Use with 3/4 in studs, Stock Nos. 696826 E or 696828 E.



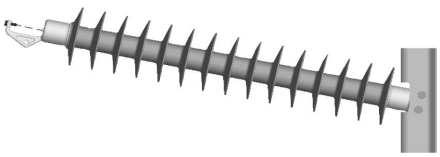
Stock Unit: EA

Stock No.: 014304

Insulator, Horizontal Line Post, Polymer, For 115 kV Nominal Systems — 6901.55

Gray, polymer, horizontal line post insulators with trunnion end fittings.

Used to construct 115 kV overhead transmission lines. Maximum Design Cantilever (MDC) rating is equal to 40% of Ultimate strength rating. The ultimate cantilever strength rating is 3790 lb. The MDC strength rating is 1515 lb.



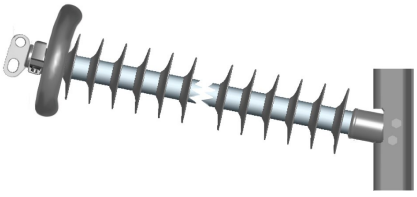
Stock Unit: EA

Stock No.	Typical Application	Horizontal Coupling Length (in)
012830	115 kV, steel poles, flat base, refer to material standard for base details. This stock item is used on North to Bothell 115 kV line; it is not recommended for new construction. Contact Standards for more information.	46 (+3, -2)
013307	115 kV, steel or glue-lam poles, flat base	46 (+3, -2)
690189	115 kV, wood poles, curved base	46 (+3, -2)

Insulator, Horizontal Line Post, Polymer, For 230 kV Nominal Systems — 6901.57

Gray, polymer, horizontal line post insulators with drop eye end fitting and grading ring.

Used to construct 230 kV overhead transmission lines. Maximum Design Cantilever (MDC) rating is equal to 40% of Ultimate strength rating. The ultimate cantilever strength rating is 2330 lb. The MDC strength rating is 930 lb.



Stock Unit: EA

Stock No.	Typical Application	Horizontal Coupling Length (in)
012382	230 kV or 115 kV in contaminated areas, nominal, wood poles, curved base	74 (+1, -1)
013308	230 kV or 115 kV in contaminated areas, nominal, steel or glue-lam poles, flat base	74 (+1, -1)

Insulator, Horizontal Line Post, Porcelain, Clamp Top — 6901.60

Gray, porcelain, clamp top, horizontal line post insulators with trunnion fittings. Horizontal coupling length 14 inches.

Used to construct 26.4 and 34.5 kV overhead distribution lines.

Use insulator with 3/4-inch studs, Stock Nos. 696826 E or 696828 E.

Stock Unit: EA

Stock No.: 690173

Insulator, Station Post-Type, Porcelain — 6901.80

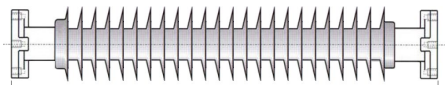
Gray porcelain, station post type insulator.

Used in substations to support buses or apparatus.

Stock Unit: EA

Stock No.	ANSI C29.9 Insulator Class	Unit Height (in)	Bolt Circle Diameter (in)	BIL (kV)
690253	TR-202	7-1/2	3	95
690280	TR-222	10	5	95
690186	TR-205	10	3	110
690187	TR-208	14	3	150

Insulator, Station Post, Polymer, for 115 kV Nominal Systems — 6901.95



Polymer, station post type insulator.

Product details:

- ANSI C29.9 insulator class TR-286
- 550 kV BIL
- 5-inch diameter bolt circle fitting each end
- Gray silicon rubber weathersheds
- 45 inches in height

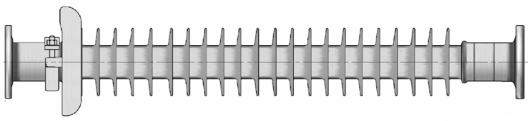
For use in substations to support 115 kV bus. Electrical and mechanical ratings are slightly different than those of porcelain TR-286 units. Because polymer insulators are much less rigid than their porcelain equivalents, do not use to support disconnect-switch live parts without approval from Standards.

This insulator, in combination with a steel trunnion adapter (Stock No. 012381) and bracket (Stock No. 693017), can also be used as a vertical line post insulator.

Stock Unit: EA

Stock No.: 012383

Insulator, Station Post, Polymer, for 230 kV Nominal Systems — 6901.97



Polymer, station post type insulator.

Product details:

- ANSI C29.9 insulator class TR-304
- 900 kV BIL
- 5-inch diameter bolt circle fitting each end and one grading ring
- Gray silicon rubber weathersheds
- 80 inches in height

For use in substations to support 230 kV bus. Electrical and mechanical ratings are slightly different than those of porcelain TR-304 units. Because polymer insulators are much less rigid than their porcelain equivalents, do not use to support disconnect-switch live parts without approval from Standards.

Stock Unit: EA

Stock No.: 012781

Insulator, Suspension, Polymer, for 26.4 kV Systems — 6902.30

Polymer suspension (deadend) type insulator with clevis/tongue end fittings. Weathersheds are gray silicon rubber.

For installation on wood poles or crossarms to support distribution conductors. For new construction. Routine Test Load (RTL) rating is equal to 50% of Specified Mechanical Load (SML) rating. Typical application for 26 kV nominal lines and below.

Stock Unit: EA

Stock No.	SML (lb)	Horizontal Coupling Length, Nominal (in)
690233	15,000	20
690235	15,000	25

Insulator, Suspension, Polymer, for 115 kV Nominal Systems — 6902.35

For installation on wood poles or crossarms to support transmission conductors. For new construction. Routine Test Load (RTL) rating is equal to 50% of Specified Mechanical Load (SML) rating.

Product details:

- ANSI C29.2, 52-5 type J socket on structure end and 52-5 type J ball on line end
- Weathersheds: gray silicon rubber.
- SML (lb), minimum: 30,000
- RTL (lb), minimum:15,000
- Horizontal coupling length (in): 50 (+3, -2)

Stock Unit: EA

Stock No.: 690237

Insulator, Suspension, Polymer, for 230 kV Nominal Systems — 6902.37

For use in overhead transmission systems nominally rated up to 230 kV phase-to-phase, 60Hz. Routine Test Load (RTL) rating is equal to 50% of Specified Mechanical Load (SML) rating.

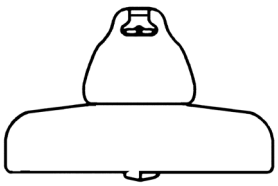
Product details:

- ANSI C29.2, 52-5 type J socket on top/structure end and 52-5 type J ball on bottom/line end
- Provided with a 9-inch grading ring on the line end
- Weathersheds: gray silicon rubber.
- SML (lb), minimum: 30,000
- RTL (lb), minimum:15,000
- Section length (in): 89 ±2

Stock Unit: EA

Stock No.: 012782

Insulator, Suspension Porcelain Ball and Socket Type — 6902.5



Porcelain, suspension (deadend bell) type insulator with ANSI ball and socket end fittings. Units are 10 inches in diameter.

For installation on wood poles or crossarms to support transmission conductors. Units are connected in strings to obtain desired voltage rating. For use in contaminated areas, Stock No. 690220 has 48% greater leakage than Stock No. 690210. For new 115 kV line construction, use Stock No. 690237.

Stock Unit: EA

Stock No.	Mechanical and Electrical Strength (lb)	Color	ANSI C29.2 Class
690210	15,000	Brown	52-3
690214	25,000	Gray	52-5
690215	25,000	Brown	52-5
690220	15,000	Gray	52-3*

* increased leakage version of Stock No. 690210

Polymer Spool Insulator with Clevis and Pin — 6904.15

Insulator size 3-1/8 inches x 3 inches. ANSI insulator class 53-2.

Used to support deadend secondary and common neutral conductors.

Stock Unit: EA

Stock No.: 014328 E

Polymer Spool Insulator 6904.15

Gray. Insulator size 3-1/8 inches by 3 inches. ANSI insulator class 53-2.

Used with rigid clevis yokes, and angle brackets to support deadend secondary and common neutral conductors. Spool insulators pre-assembled with a clevis bracket and angle brackets are also available.

Stock Unit: EA

Stock No.: 014327 E

Polymer Spool Insulator with Angle Bracket 6904.15

Used to deadend or support system neutral conductors and secondary conductors. ANSI insulator class 53-2.

Stock Unit: EA

Stock No.	Description
690402 E	Small bracket
690404 E	Large bracket

Wireholder, Reinforced Porcelain, with Screw 6904.23

Reinforced porcelain wireholders are used to support overhead secondary service conductors at service entrances.

Also known as house knobs or service knobs.

Stock Unit: EA

Stock No.: 690706 E

Service Brackets 6904.25

Service brackets and associated spool insulator, clevis, and base.

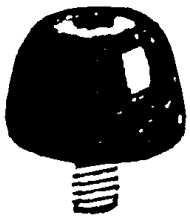
Service brackets are used to attach service entrance conductors to a customer's building.

Upgrades to secondary service on the pole require that service entrance conductors leading to the customer residence be brought up to code. Service brackets are provided by SCL Joint Use and installed by the customer.

Stock Unit: EA

Stock No.	Description
690658	Spool Insulator only
690405	Roof-mount service bracket with spool insulator
690411	Wall-mount service bracket with spool insulator

Insulator, Phenolic Spool, Neutral Bus Support 6908.0

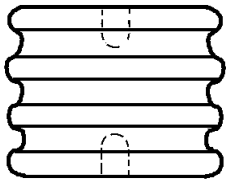


Molded phenolic insulator. Neutral bus. Intended for a maximum of 750 V service. All threads are 5/8" - 11 NC with a minimum of 11/16" thread depth. Cantilever rating is 250 foot-pounds (minimum).

Stock Unit: EA

Stock No.:690880

Secondary Bus Insulator Support 6908.1

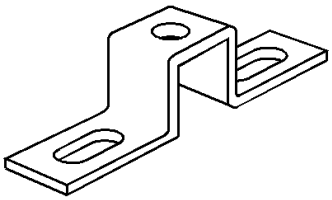


For underground vaults. Composite. External diameter is 4-1/2", internal diameter is 3-1/4" ± 1/4", length is 4-1/2". Rated for 7.5 kV.

Stock Unit: EA

Stock No.: 690856

Insulator Base, Neutral Bus Support 6908.2



For underground vaults.

Stock Unit: EA

Stock No.: 690882

Avian Protection Products, Assorted 6910.10

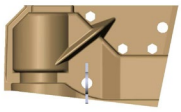
Assorted designs made from various track resistant, UV resistant, insulating materials.

Products are intended to cover a variety of exposed high-voltage parts commonly found on the 26.4 kV, overhead distribution system to protect birds, such as crows, pigeons, and eagles, from electrical shock.

For additional information, refer to Construction Standard 0072.01, Avian Protection.

Stock Unit: EA

Stock No.	Description
013038	Raptor protection cover, single arm/pin construction
013039	Raptor protection cover, double arm/pin construction
014426	Raptor protection cover, deadend suspension construction
014427	Raptor protection cover extension
013042	Cutout cover with fastener pin
013043	Wildlife connector cap
580776	Transformer Bushing Cover, Arrestor Cover, Termination Cover
013360	Conductor marker/diverter, round
013582	Bushing cover, 15 – 35 kV



Insulating Hose, Split, Silicone Rubber 6910.30

Gray, track resistant, UV resistant, split, silicone rubber insulating hose. Insulating hose is used to cover bare, high-voltage leads and jumpers for the purpose of protecting small birds and other wildlife from electrical shock.

Stock Unit: FT

Stock No.	Conductor Diameter Use Range (in)	Application	Hose Size (in)
013044	.10–.42	#6 AWG–1/0 AWG	3/8
013045	.38–.68	1/8 AWG–300 kcmil	5/8
013046	.76–1.10	397 kcmil–715 kcmil	1
013047	1.10–1.35	716 kcmil–1192 kcmil	1-1/4

Insulating Hose, Installation Tool 6910.30

Blue polymer. Used to install insulating hose.

Stock Unit: EA

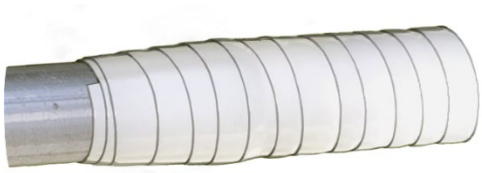
Stock No.	Hose Diameter (in)
014430	3/8
014431	5/8
014432	1 to 1-1/4

Tape, Self-Amalgamating, Silicone Rubber, Insulating 6910.40

Gray, track resistant, UV resistant, self-amalgamating, silicone rubber, insulating tape, 2-inches wide x 36 ft long rolls.

Used to cover exposed, high-voltage conductor, bus, and fittings for the purpose of protecting small birds and other wildlife from electrical shock.

For more information, see SCL 0072.01.



Stock Unit: EA

Stock No.: 013048

Aerial Warning Sphere 6916.07

Used for visual identification of overhead power lines by aircraft or other vehicles as they make their approach. Aerial warning spheres are attached to the overhead wires as required by Federal Aviation Administration (FAA) regulations, jurisdictional permits, or policies.

Aerial warning spheres are typically used around airports, heliports, and extensive spans that cross canyons, lakes, and rivers.

20" diameter spheres are used on distribution overhead lines.
36" diameter spheres are used for system voltages up to 230 kV.

Stock Unit: EA

Stock No.	Arm Type
014031	20" Aerial Warning Sphere
014028	36" Aerial Warning Sphere

Obstruction Beacon, LED 6916.15

Red LED obstruction beacon.

Used on SCL towers and structures that pose a hazard to aircraft.

For flashing capability, use the obstruction beacon in conjunction with a non-stock control unit available from Communications.

LED obstruction beacons replace SCL Stock Nos. 568900 and 012772.

Stock Unit: EA

Stock No.: 013079

Clamp, Ductile Iron, Deadend, Quadrant Strain 6938.31

Ductile iron quadrant strain deadend clamps consists of a body, a keeper (a metal piece that sandwiches the conductor to the body of the clamp), a strain socket eye, a cotter pin, and U-bolts with nuts.

Ductile iron quadrant strain deadend clamps are used to terminate static wires. These clamps may be used for transmission line construction with copper conductor or Copperweld® phase conductors; however, magnetic induction heating will occur

Stock Unit: EA

Stock No.	Conductor Size Range (AWG/kcmil)	Ultimate Strength (lb)
693370	1/0–300	20,000

Clamp, Aluminum Deadend, Quadrant Strain 6938.71

Aluminum quadrant strain deadend clamps consist of a body, a keeper (metal piece that sandwiches the conductor to the body of the clamp), a strain socket eye, a cotter pin, and U bolts with nuts.

Aluminum quadrant strain deadend clamps are used to terminate bare conductor on ball and socket type strain insulators.

These clamps are used for transmission line construction with all aluminum, ACSR, or aluminum alloy conductors; or with Alumoweld® static wire.

Stock Unit: EA

Stock No.	Conductor Size Range (kcmil)	Ultimate Strength (lb)
693805	397.5–477	25,000
693825	477–954	30,000

Clamp, Ductile Iron, Deadend Strain, Straight Line 6939.10

Ductile iron, deadend strain, straight-line clamps consist of a body and keepers, compression springs, a button head clevis pin, cotter pin, and U-bolts with nuts.

This clamp is for constructing pole switch terminations. It is used to attach aluminum, ACSR, or copper conductors ranging in size from 2/0 to 500 kcmil to suspension insulators.

The recommended torque on the 1/2-in U-bolts is 40 ft-lb.

Replacement clevis pin: Stock No. 013167.

Replacement cotter pin: Stock No. 582528.

Stock Unit: EA

Stock No.	Conductor Diameter Range (kcmil)	Ultimate Strength, Clamp (lb)	Ultimate Strength, Sag Eye (lb)
693901	0.36–0.93	15,000	12,000

Clamp, Ductile Iron, Deadend Strain, Straight-Line, Side-Opening 6939.15

Ductile iron, deadend strain clamps consist of a body and keepers, compression springs, a button head pin, a cotter pin, and U-bolts with nuts.

Deadend clamps are for constructing pole switch terminations. Deadend clamps are used to attach static wire or copper conductors ranging in size from #1 AWG to 350 kcmil to suspension insulators.

The recommended torque on the 3/8" U-bolts is 20 to 25 in-lb.

Replacement clevis pin: Stock No. 013167.

Replacement cotter pin: Stock No. 582528.

Stock Unit: EA

Stock No.	Conductor Diameter Range (in)	Ultimate Strength, Body (lb)	Ultimate Strength, Sag Eye (lb)
014385	0.31–0.70	10,000	7000

Clamp, Aluminum Deadend Strain, Straight-Line, Side-Opening 6939.22

Aluminum deadend strain clamps consist of the body and keepers, compression springs, a button head pin, a cotter pin, and U-bolts with nuts.

Aluminum deadend strain clamps are used for connecting primary conductor to a deadend insulator. These clamps are used for distribution line construction with all aluminum, ACSR, or aluminum alloy conductors.

Aluminum deadend strain clamps can be installed on energized conductors using hot sticks.

The recommended torque on the 1/2" U-bolts is 40 in-lb.

Stock Unit: EA

Stock No.	ACSR Conductor Size Range (AWG/kcmil)	Ultimate Strength (lb)
694292	3/0–397	12,000
694294	336.4–954	15,000

Clamp, Ductile Iron, Angle 6940.10

Forged steel and ductile iron angle clamp.

Angle clamps consist of a body, a keeper (a metal piece that sandwiches the conductor to the body of the clamp), a button-head pin, a cotter pin, and fastening hardware

Ductile iron angle clamps are used for distribution angle construction, up to 120 degrees. These clamps may be used with galvanized steel overhead ground wire or copper and Copperweld phase wire; however, magnetic induction heating will occur.

Stock Unit: EA

Stock No.	Conductor Size Range (AWG/kcmil)	Conductor Diameter (in) (min)	Conductor Diameter (in) (max)	Ultimate Strength (lb) (min)
695016	2/0 – 500	0.162	0.6	7000

Clamp, Ductile Iron, Suspension 6940.20

Forged steel and ductile iron suspension clamp.

Ductile iron suspension clamps consist of a body, a keeper (a metal piece that sandwiches the conductor to the body of the clamp), a button-head pin, a socket eye, a cotter pin, and fastening hardware.

Ductile iron suspension clamps are used for ground wire applications with galvanized steel cable or static wire. These clamps may be used for either distribution or transmission construction with copper conductor or Copperweld® phase conductors; however, magnetic induction heating will occur.

The socket eye fitting on the deadend clamp may be used with Class 52-3 or 52-5 insulators per ANSI C-29.2B.

Recommended torque on U-bolts: 1/2-in – 40 ft-lb., 5/8-in – 60 ft-lb.

Aluminum suspension clamps are used to hold all-aluminum, ACSR, or aluminum alloy conductors for angle constructions. Ductile iron and aluminum alloy clamps are not interchangeable.

Stock Unit: EA

Stock No.	Conductor Size Range (AWG/kcmil)	Conductor Diameter (in) (min)	Conductor Diameter (in) (max)	Ultimate Strength (lb) (min)
695015	2/0 – 500	0.40	0.82	15,000

Clamp, Aluminum, Suspension 6940.30

Aluminum suspension clamps consists of the body and keepers, a button-head pin, a cotter pin, socket eye and fastening hardware including U-bolts and nuts.

Aluminum suspension clamps are intended for use in construction of the pole top assemblies for three-phase armless angle poles supporting 397.5 kcmil ACSR to 954 kcmil ACSR primary conductors with ball-and-socket type suspension insulators. These clamps may be used with all aluminum, ACSR, or aluminum alloy conductors.

Socket eye fittings on deadend clamps may be used with Class 52-3 or 52-5 insulators as described in ANSI C-29.2B.

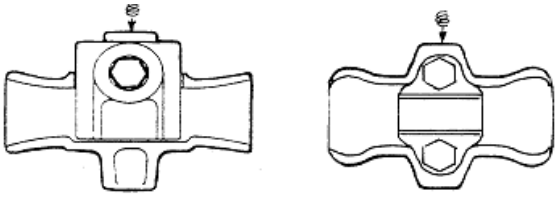
Ductile iron suspension clamps are used for ground wire applications with galvanized steel cable or static wires. Aluminum alloy and ductile iron clamps are not interchangeable.

Stock Unit: EA

		Conductor Diameter (in)		Ultimate Strength (lb)
Stock No.	**Conductor Size Range (AWG/kcmil)**	**(min)**	**(max)**	**(min)**
695115	4/0 – 397.5	0.40	0.80	15,000
695119	477 – 556.5	0.50	1.02	25,000
695137	795 – 954	1.00	1.45	25,000
695155	477 – 556.5 with armor rods	1.25	1.82	25,000
695167	795 with armor rods	1.75	2.25	25,000

Line Post Insulator Clamp, Ductile Iron 6941.15

Trunnion, distribution, galvanized with stainless steel springs; comes in one or two bolt configurations. For use with copper conductor.

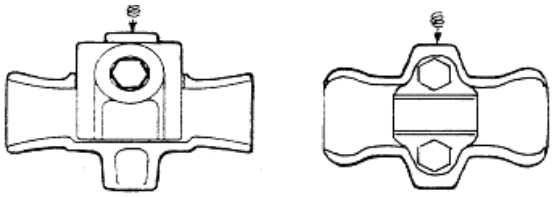


Stock Unit: EA

	Conductor Diameter (in)	
Stock No.	**Minimum**	**Maximum**
695182	0.25	0.56
695183	0.50	1.06

Line Post Insulator Clamp, Aluminum 6941.15

Trunnion, distribution, with stainless steel springs; comes in one or two bolt configurations. For use with aluminum or ACSR conductor.



Stock Unit: EA

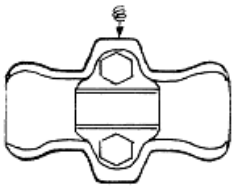
	Conductor Diameter (in)	
Stock No.	**Minimum**	**Maximum**
695192	0.25	0.56
695193	0.50	1.06
695196	0.99	1.50

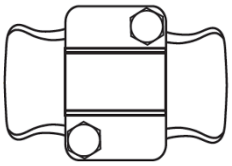
Line Post Insulator Clamp, Aluminum — 6941.15

Trunnion, transmission, with stainless steel springs. For use with aluminum or ACSR conductor.

Stock No. 695194 comes in a two-bolt configuration.

Stock No. 695195 comes in a two-bolt configuration with a wide keeper and is used with 795 or 954 kcmil conductors fitted with armor rods or line guards.





Stock Unit: EA

	Conductor Diameter (in)	
Stock No.	**Minimum**	**Maximum**
695194	1.00	1.50
695195	1.50	2.00

Chain Link — 6945.02

Forged steel, hot-dip galvanized.

Stock Unit: EA

Stock No.	Ultimate Strength (lb)	Dimensions (in), nominal
696195	40,000	5/8 x 1 x 3-1/4
696200	60,000	3/4 x 1 x 3-1/2

Fitting, Forged Steel Ball-Style Insulator — 6945.05

Ball-style insulator fittings are used to attach ball and socket insulators to other associated distribution tower hardware. The bent bolt in the ball Y-clevis section provides an additional point of articulation. The ball oval-eye and an anchor shackle is one of the most common distribution tower attachment combinations and is available as an assembly.

Ball-style insulator fittings are compatible with the class 52-3 and 52-5 insulators defined in ANSI C-29.2

Stock Unit: EA

Stock No.	Type	Ultimate Strength (lb)
695505	Ball clevis	30,000
695515	Ball clevis, long	30,000
695525	Ball Y-clevis	30,000
695860	Ball eye	30,000
696135	Ball oval-eye with anchor shackle, tower assembly	30,000

Fitting, Clevis Style, Strain Insulator 6945.10

Clevis style strain insulator fittings are used in hot line work, primarily for connecting associated hardware to ball and socket type insulators. The clevis eye is used to connect quadrant type deadends to clevis tongue insulator or yoke plates.

Clevis style strain insulator fittings are for use with class 52-3 insulators specified in ANSI C-29.2

Stock Unit: EA

Stock No.	Type	Ultimate Strength (lb)
695540	Socket clevis, 90°	18,000
695545	Socket clevis	30,000
695550	Socket clevis, long	30,000
695970	Clevis eye, 90°	18,000

Fitting, Socket Eye, Strain Insulator 6945.15

Socket eye-style insulator fittings are used in hot line work, primarily for connecting associated hardware to ball and socket type strain insulators.

Socket eye-style insulator fittings are for use with class 52-3 insulators per ANSI C-29.2.

Stock Nos. 696008, 696017, and 696029 are for use with 5/8-in diameter clevis pins.

Stock No. 696020 is for use with 3/4-in diameter clevis pins.

Stock Unit: EA

Stock No.	Type	Ultimate Strength (lb)
696008	Socket eye	18,000
696017	Socket eye	25,000
696029	Socket eye	30,000
696020	Socket eye	30,000

Clevis Pin 6945.20

Hot-dipped galvanized steel clevis pin.

Clevis pins are used to secure a variety of insulator clevis fittings, clamps, and anchor shackles for overhead line termination construction.

Clevis pins are used as replacement parts for insulator clevis fittings, clevis-style deadend clamp assemblies, and anchor shackles using 5/8-inch diameter pins.

Stock Unit: EA

Stock No.: 013167

Adapter, Vertical Clamp, for Station Post Insulators 6951.65

Product details:

- 5-inch bolt circle
- Trunnion bolt with lock washer
- Four 5/8 in x 1-1/4 in mounting bolts with lock washers

Vertical clamp adapters are used to convert a station post insulator (Stock No. 012383) with a 5-inch bolt circle to a vertical line post insulator with a trunnion end fitting. Use bracket Stock No. 693017 to mount insulator to pole top.

Stock Unit: EA

Stock No.: 012381

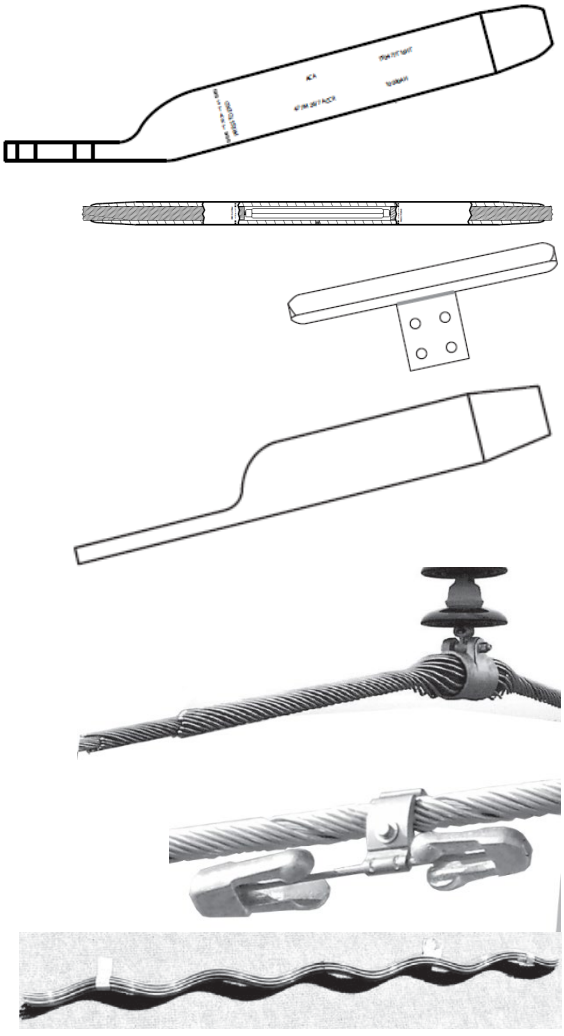
Accessories, High-Temperature, Low-Sag Conductor, 3M 6962.32

These accessories are not intended for new construction. They are emergency spare parts for the Bothell-SnoKing (BO-SK) 230 kV transmission line reconductor project, completed in 2019.

These accessories are only appropriate for use with 3M, high-temperature, low-sag conductor, SCL Stock No. 013632

Stock Unit: EA

Stock No.	Description
014526	15-degree terminal
014527	Joint
014529	Open run tee tap
014530	Straight terminal
014531	TERMOLIGN suspension, single
014532	VORTX vibration damper
014533	Protector rods



Shackle, Anchor, Round Pin, Galvanized 6966.15

Used to construct permanent assemblies, such as attaching a high-voltage insulator to a steel tower. Can also be used in tie down, towing, suspension or lifting applications where the load is strictly applied in-line. Round pin shackles should never be used in rigging applications to gather multiple sling legs, or where side loading conditions may occur.

Working load limit (WWL) values are calculated by dividing a shackle's ultimate strength (also known as breaking load rating) by a safety factor. Working load limit is also known as safe working load (SWL).

Seattle City Light transmission line engineers commonly employ a safety factor of four. Federal Specification RR-C-271D calculates working load limits based on a safety factor of five.

If a shackle is marked with a working load limit (WWL) or safe working load (SWL) value, the ultimate strength or breaking load is (probably) five times higher. If a shackle is marked with an ultimate strength, the working load limit is calculated as either four or five times less, depending on the user's choice of safety factor.

An anchor shackle should never be applied above its working load limit.

Stock Unit: EA

Stock No.	Body Diameter (in), Nominal	Ultimate Strength (lb), Minimum
696603	1/2	20,000
696604	5/8	32,500
696605	3/4 (wide bow)	47,500
696618	3/4	47,500

Shackle, Anchor, Screw Pin, Galvanized 6966.17

Used for pick and place applications. Can be used in side-loading situations; however, users should be aware that this reduces effective working load limits.

There are many dos and don'ts to rigging. Inexperienced users should not attempt rigging without consulting someone who is.

Working load limit (WWL) values are calculated by dividing a shackles' ultimate strength (also known as breaking load rating) by a safety factor. Working load limit is also known as safe working load (SWL).

Federal Specification RR-C-271D calculates working load limits based on a safety factor of five.

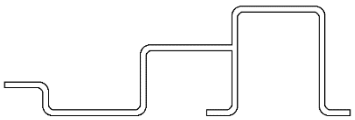
An anchor shackle should never be applied above its working load limit.

Stock Unit: EA

Stock No.	Body Diameter (in), Nominal	Ultimate Strength (lb), Minimum
696620 E	1/4	5,000
696621 E	3/8	10,000
696622 E	7/16	15,000
696623 E	1/2	20,000
696624	5/8	32,500
696625	3/4	47,500
696626	7/8	65,000
696627	1	85,000

Rack, Secondary Bus Insulator 6968.1

Hot-formed from 3/8" x 3" carbon steel bars, hot-dipped galvanized after fabrication



Stock Unit: EA

Stock No.	Dimensions (in)	Support Type
696832	14-1/2 x 29-1/2	For installation in normal working space
696836	9-1/2 x 29-1/2	For limited working space

Yoke Plate Assembly, Deadend Strain 6970.15

Galvanized steel heavy-duty deadend yoke plate assembly.

Yoke plate assemblies are commonly used to attach double strings of transmission class suspension insulators to supporting structures. The yoke plate assembly provides an insulator spacing of 18 inches.

Stock Unit: EA

Stock No.	Description
693085	Complete assembly
013660	Galvanized steel yoke plate
695550	Iron socket clevis
695515	Forged steel ball clevis
696618	Forged steel anchor shackle
696200	Forged steel chain link

Yoke Plate Assembly, Double String, Suspension 6970.25

SCL shop-made rectangular yoke plate. Used to yoke two 230 kV suspension insulators together at the line. The yoke plate assembly limits the transmission line bend radius to 40 degrees minimum at locations where the line changes direction.

A complete yoke assembly requires a tower end assembly (this standard) and a line end assembly (see SCL 6790.15). Contact Transmission Line Design Engineering for more information.

Stock Unit: EA

Stock No.: 693060

Tape, Detectable, Underground, Marking 7005.05

Text: “CAUTION ELECTRIC LINE BURIED BELOW or CAUTION BURIED ELECTRIC LINE BELOW.” 3-in width; 1000-ft roll.

Marking tape is used for detecting, locating, identifying, and protecting buried electric lines installed in trenches or conduit.

At SCL, marking tape is used to provide a visual warning of the proximity to buried electric lines installed in trenches or conduit. SCL does not utilize the detection functionality of the marking tape.

Stock Unit: RL

Stock No.: 736800

Schedule 40 PVC Conduit 7015.05

Schedule 40 extruded rigid PVC (polyvinyl chloride) conduit.

All conduit 2 inches (IPS) and larger are chamfered. Except for 5-inch conduit, one conduit end is bell and the other, straight cut. 5-inch conduit may have both straight ends or a standard bell end and straight end.

Used to construct smooth raceways for the pulling in of cable installed in a variety of looped radial and network system applications: service, secondary, primary, communication, and control. Schedule 40 PVC conduit is not appropriate for riser pole applications

Stock Unit: FT

Stock No.	Trade Size (in)	SCL New Construction
734525	1/2	Standard
734526	3/4	Standard
734527	1	Do not use
734528	1-1/4	Do not use
734529	1-1/2	Do not use
734530	2	Standard
734531	2-1/2	Do not use
734532	3	Standard
734533	3-1/2	Do not use
734523	4	Standard
734524	5	Use fiberglass

Schedule 40 PVC Elbow 7015.05

Schedule 40 extruded rigid PVC (polyvinyl chloride) 90°, 45°, and 22-1/2° elbows. All elbow straight cut ends 2 inches (IPS) and larger are chamfered. Elbows are also known as bends. Except for 5-inch elbows, one end is bell and the other, straight cut. 5-inch elbows are straight cut on both ends.

Used to construct smooth raceways for the pulling in of cable.

Stock Unit: EA

Stock No.	Trade Size (in)	Radius (in)	Tangent Length (in)
90 degree			
734551	1/2	4	1-1/2
734671	3/4	4-1/2	1-1/2
734550	1	5-3/4	1-7/8
734546	1-1/4	7-1/4	2
734547	1-1/2	8-1/4	2
734548	2	24	2
734549	2-1/2	24	3-1/8
014572	3	24	3-1/8
014573	4	24	3-3/8

45 degree			
734553	1-1/4	7-1/4	2
734554	1-1/2	8-1/4	2
734555	2	18	2
014574	3	24	3-1/8
014575	4	24	3-3/8
734557	3	36	3-1/8
734559	4	36	3-3/8

22-1/2 degree			
734561	2	18	3
734562	2-1/2	18	3
734563	3	24	3-1/4
734566	4	24	3-3/8

Female Adapter, Coupling, One End Slip, One End Female — 7015.05

Extruded rigid PVC (polyvinyl chloride) female adapter. Female adapters have straight threads. Two-inch (IPS) and larger are of molded manufacture, not expanded.

Adapter slip fittings will accept either Schedule 40 or Schedule 80 conduit with straight cut ends (both have the same OD).

Stock Unit: EA

Stock No.	Trade Size (in)
734508	1/2
734540	3/4
734541	1
734542	1-1/4
734543	1-1/2
734544	2
734545	2-1/2
734537	3
734539	4
734536	5

Fitting, Long Sleeve Couplings, Swedged, Slip (S) — 7015.05

Minimum length: 8.25 in.

Minimum bell depth: 3.25 in at each end.

Stock Unit: EA

Stock No.	Trade Size, IPS (in)	Description	Ends
014576	4	Long sleeve swedged coupling	S x S
014577	5	Long sleeve swedged coupling	"

Fitting, Coupling, PVC, Long Sleeve Repair, Schedule 40 — 7015.05

Long sleeve repair couplings have no center stop.

Long sleeve repair couplings have a minimum length of 10 in.

Stock Unit: EA

Stock No.	Trade Size, IPS (in)	Description	Ends
013705	2	Long sleeve coupling	S x S
013706	3	"	"
013707	4	"	"
013708	5	"	"

Fitting, Swedge Reducer, PVC, Expanded, Schedule 40 — 7015.05

Rigid Schedule 40 PVC reducer fittings.
Two-inch (IPS) and larger shall be chamfered.

Stock Unit: EA

Stock No.	End #1 Trade Size, IPS (in)	End #2 Trade Size, IPS (in)	Description	End #1	End #2
734470	3	2-1/2	Reducer	Chamfered, Str. Cut	Chamfered, Str. Cut
012503	4	3-1/2	Reducer	Chamfered, Str. Cut	Chamfered, Str. Cut

Male Adapter, Coupling, One End Slip, One End Male — 7015.05

Extruded rigid PVC (polyvinyl chloride) male adapter. Two-inch (IPS) and larger are of molded manufacture, not expanded.
Adapter slip fittings will accept either Schedule 40 or Schedule 80 conduit with straight cut ends (both have the same OD).

Stock Unit: EA

Stock No.	Trade Size (in)
734920	1/2
734914	3/4
734918	1
734924	1-1/4
734925	1-1/2
734926	2
734921	3
734923	4

Straight Adapter, Coupling, Both Ends Slip — 7015.05

Extruded rigid PVC (polyvinyl chloride) straight adapter. Two-inch (IPS) and larger are of molded manufacture, not expanded.

Adapter slip fittings will accept either Schedule 40 or Schedule 80 conduit with straight cut ends (both have the same OD).

Stock Unit: EA

Stock No.	Trade Size (in)
734512	1/2
734513	3/4
734514	1
734515	1-1/4
734516	1-1/2
734517	2
734518	2-1/2
734519	3
734521	4
734522	5

Fitting, Long Sleeve Coupling without Center Stop, Slip (S) — 7015.05

Rigid Schedule 40 PVC long sleeve repair coupling without center stop.
Minimum length: 10 in.

Sized to slip fit over IPS PVC conduits.

Stock Unit: EA

Stock No.	Trade Size, IPS (in)
013705	2
013706	3
013707	4
013708	5

Fitting, Reducer Bushing (Slip) — 7015.05

Fit into the bell end of the conduit.

Stock Unit: EA

Stock No.	Trade Size, IPS (in)	Description	Ends
734480	3/4 to 1/2	Reducing bushing	S x S

Schedule 40 PVC Conduit Repair System 7015.24

Conduit repair systems are used for enclosing fiber optics and cables, installing conduit around existing cables, and repairing sections of damaged conduit.

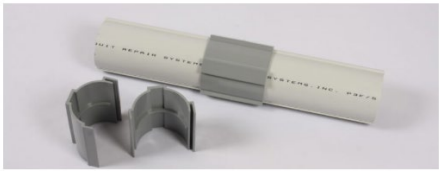
Split conduits come in 10 ft lengths and consist of two halves.

Stock Unit: EA

Stock No.	Description	Trade Size (in)
012113	Split Conduit	2-1/2
012114	–	3
012115	–	4
012116	–	5

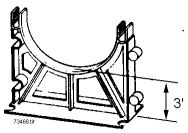
012109	Split Coupling	2-1/2
012110	–	3
012113	–	4
012112	–	5

012105	Split Adapter Coupling	2-1/2
012108	–	3
012107	–	4
012106	–	5

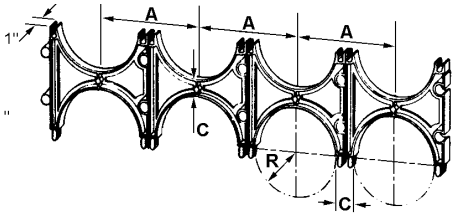


Conduit Spacers 7015.80

For non-metallic conduit. Allows 2-inch conduit separation.



Base Spacer



Intermediate Spacer

Stock Unit: EA

Stock No.	Trade Size (in)	Type
010448 E	3	Base
734690 E	4	Base
734692 E	5	Base
010446 E	6	Base
734669 E	3	Intermediate
734670 E	4	Intermediate
734680 E	5	Intermediate
010447 E	6	Intermediate

Coupler, HPDE 7017.07

HDPE couplers are used when connecting HDPE continuous conduit to any other conduit.

HDPE continuous conduit systems are not stocked or installed by Seattle City Light (SCL). These conduit systems are acquired and installed by contractors.

Stock Unit: EA

Stock No.	Nominal O.D. (in)
015156	4.5

Schedule 80 PVC Conduit 7020.05

Extruded rigid PVC (polyvinyl chloride).

Used to construct smooth raceways for the pulling in of cable installed in a variety of Looped Radial and Network system applications: service, secondary, primary, communication, and control.

All conduit that is 2 inches (IPS) or larger is chamfered.

One conduit end is bell and the other is straight cut.

The straight cut end of a section of conduit is also known as the spigot end.

Refer to Stock Catalog entry 7015.05 for PVC fittings (couplings).

Stock Unit: FT

Stock No.	Trade Size (in)
738740	1-1/2
738741	2
738742	2-1/2
738743	3
738745	4
738746	5
010333	6

Schedule 80 PVC Elbow 7020.05

Used to construct smooth raceways for the pulling in of cable.

Extruded rigid PVC (polyvinyl chloride). 90-degree, 45-degree, and 22-1/2-degree elbows.

All elbow straight cut ends that are 2 inches (IPS) or larger are chamfered.

One end of the elbow is bell and the other is straight cut.

Stock Unit: EA

Stock No.	Elbow Bend	Trade Size (in)	Radius (in)	Tangent Length (in)
013647	22-1/2 degree	2	24	3
013650	"	3	24	3-1/4
013648	45 degree	2	24	2
013651	"	3	24	2
013649	90 degree	2	24	2
013652	"	3	24	3-1/8

Fitting, Long Sleeve, Female (F) to Slip (S) 7020.05

Long-sleeve female adapter. Minimum bell depth: 4 in.
S x F ends.

Stock Unit: EA

Stock No.	Trade Size, IPS (in)	Overall Length (in), nominal
014578	4	7-1/2
014579	5	9-1/2

Fiberglass Elbow, 4-inch 7024.05

Four-inch, heavy wall, with 2 deep socket PVC couplings. Elbow angles are required to be accurate to ± 2% of specified.

Stock Unit: EA

Stock No.	Angle (degrees)	Radius (in)
013587	5	144
013588	11-1/4	144
013589	15	144
013590	22-1/2	144
013591	45	144
013592	90	144

Fiberglass Elbow, 5-inch 7025.05

Five-inch, medium wall, for fiberglass conduit. Elbow angles are required to be accurate to ± 2% of specified.

Stock Unit: EA

Stock No.	Angle (degrees)	Radius (in)
012809	90	60
012847	90	144
012848	11-1/4	144
012849	22-1/2	144
012850	45	144
013568	5	144
013586	15	144

Fiberglass Fittings, 5-inch 7025.05

Female terminal adapter, Stock No. 012817, is used for joining fiberglass conduit to galvanized rigid steel (GRS) conduit. Adapter has same threads as GRS (straight).

Stock Unit: EA

Stock No.	Description
012814	Stop coupling
012815	End bell, socket type
012817	Female terminal adapter
012818	Fiberglass end cap with gasket
013358	Repair coupling
013567	5-in fiberglass to 5-in PVC adapter

Conduit, 5-Inch, Medium Wall 7025.05

Five-inch IPS (iron pipe standard), medium wall, fiberglass conduit in 20-ft straight sections.

Spigot ends (straight cut section) are chamfered.

Conduit spigot end is marked with a 1/2-inch-wide yellow line to facilitate installation by providing indication when full insertion has been accomplished.

Stock Unit: EA

Stock No.	Trade Size (in)
012808	5

Adhesive System, Fiberglass Conduit 7025.05

Adhesive components, consisting of two-part adhesives, adhesive guns, stir sticks, and abrading supplies.

One 20 fl oz adhesive cartridge, Stock No. 012820, will make about 20 joints. Adhesive is required at fiberglass conduit joints where a field cut has been made and the interference joint is not available, where there are joints between large sweep elbows and vertical risers, and at all end bells.

Adhesive gun, Stock No. 012819, may be considered expendable and issued with each job.

Adhesive curing time is approximately one hour at an ambient temperature of 75 degrees F (29 degrees C). Cold weather adhesive is available from the manufacturer by special order.

Stock Unit: EA

Stock No.	Description
012819	Adhesive gun
012820	Epoxy cartridge, 20 fl oz, 70º F
012821	Adhesive kit; includes can of base adhesive, can of hardener, stir sticks, sandpaper, and instructions; 70º F
013314	Mixing tip, spare

Conduit, Electrical Metallic Tubing (EMT), Thinwall 7030.05

EMT conduit is used to construct smooth, exposed or concealed raceways for the pulling in of low voltage wire or cable.

EMT conduit is not appropriate for use in concrete below grade or in contact with soil without supplementary corrosion protection.\

Stock Unit: EA

Stock No.	Size (in)
734880	1/2
734881	3/4
734882	1

Fitting, EMT, Chase Nipple 7030.09

Chase nipples are used with a locknut to effectively bush factory or field-punched, cut, or drilled holes in metal boxes and enclosures. They are also used to couple boxes side-by-side or back-to-back.

Product details:

- Non-insulated, hot-dip or mechanical galvanized
- Steel or malleable iron construction

Stock Unit: EA

Stock No.	Trade Size (in)
731260	1/2

Fitting, EMT, Union Coupling 7030.09

Three-piece union couplings couple two lengths of conduit when neither can be turned.

Product details:

- Concrete tight
- Hot-dip or mechanical galvanized malleable iron construction

Stock Unit: EA

Stock No.	Trade Size (in)
731076	1/2
731077	3/4
731078	1
731080	1-1/2
731081	2

Fitting, EMT, Compression Coupling 7030.09

Compression couplings are used to couple two ends of EMT conduit.

Product description:

- Rain and concrete tight
- Steel and zinc-electroplated construction

Stock Unit: EA

Stock No.	Trade Size (in)
731181	1/2
731182	3/4
731183	1

Fitting, EMT, Set Screw Coupling 7030.09

Set screw couplings are used to couple two ends of EMT conduit.

Product details:

- Concrete tight
- Steel and zinc-electroplated construction

Stock Unit: EA

Stock No.	Trade Size (in)
012287	1/2
012288	3/4
012289	1

Fitting, EMT, Set Screw Connector 7030.09

Set screw connectors are used to bond EMT conduit to a box or enclosure.

Product details:

- Concrete tight
- Insulated
- Steel and zinc-electroplated construction

Stock Unit: EA

Stock No.	Trade Size (in)
012290	1/2
012291	3/4
012292	1

Fitting, EMT, Hub 7030.09

Hubs are used to connect threaded metal conduit to a threadless opening in a box or enclosure.

Product details:

- Watertight
- Equipped with neoprene rubber O-Ring sealing gasket
- Insulated throat
- Zinc or copper-free aluminum construction

Stock Unit: EA

Stock No.	Trade Size (in)
012092	1/2
731130	3/4
731131	1

Fitting, EMT, Compression Connector, Malleable Iron 7030.09

Compression connectors are used to secure and terminate rigid metal conduit to enclosures.

Product details:

- Concrete tight
- Electro-galvanized malleable iron construction

Stock Unit: EA

Stock No.	Trade Size (in)
731115	2

Fitting, EMT, Compression Connector, Zinc 7030.09

Compression connectors are used to secure and terminate rigid metal conduit to enclosure.

Product details:

- Rain and concrete tight
- Zinc die cast construction
- Ball burnished or mirror smooth finish

Stock Unit: EA

Stock No.	Trade Size (in)
731189	1/2
731190	3/4
731191	1

Fitting, EMT, Compression Connector, 90-Degree, Zinc 7030.09

90-degree compression connectors are used join EMTs to boxes or enclosures.

Product details:

- Concrete tight
- Zinc die cast construction
- Ball burnished or mirror smooth finish

Stock Unit: EA

Stock No.	Trade Size (in)
731196	1/2

Fitting, EMT, Reducing Bushing 7030.09

Reducing bushings are used to reduce the size of internal female threads.

Product details:

- Steel or malleable iron
- Galvanized or zinc electro-plate construction

Stock Unit: EA

Stock No.	Trade Size (in)
731301	3/4 x 1/2
731302	1 x 1/2
731310	1 x 3/4
731311	1-1/4–3/4
731318	1-1/4–1
731312	1-1/2–3/4
731319	1-1/2–1

Conduit, Rigid Aluminum 7040.05

Rigid aluminum conduit. Comes in 10-ft lengths.

Stock Unit: EA

Stock No.	Trade Size (in)
734752	3/4
734754	1-1/4

Zinc-Coated Steel Conduit 7050.05

Steel conduit is also known as electrical rigid metal conduit - steel, abbreviated ERMC-S. Conduit that is finished means it has a threaded coupling attached to one end. Each straight conduit section is finished with one threaded coupling attached. Steel conduit is ordered in 10-ft sections.

Zinc-coated steel conduit, elbows and fittings are used to construct smooth raceways for the pulling in of cable.

Suitable for above ground use indoors or outdoors exposed to sunlight and weather, and for underground use by direct burial or encasement in concrete.

Stock Unit: FT

Stock No.	Trade Size (in)	SCL New Construction
012085	1/2	Standard
012086	3/4	Not for new construction
012087	1	Not for new construction
734740	1-1/2	Standard
734741	2	Standard
734742	2-1/2	Not for new construction
734743	3	Standard
734744	3-1/2	Not for new construction
734745	4	Standard
734747	5	Standard

Elbow, Standard Sweep, 90-Degree Angle 7050.05

Zinc-coated steel conduit elbows. Elbows are also known as bends. Large radius elbows are also known as sweeps or large sweeps.

Zinc-coated steel conduit, elbows and fittings are used to construct smooth raceways for the pulling in of cable.

Suitable for above ground use indoors or outdoors exposed to sunlight and weather, and for underground use by direct burial or encasement in concrete.

Stock Unit: EA

Stock No.	Trade Size (in)	Radius (in)	Straight End Length (in)
734805	3/4	4-1/2	1-1/2
734806	1	5-3/4	1-7/8
734808	1-1/2	8-1/4	2
734809	2	9-1/2	2
734810	2-1/2	10-1/2	3

Elbow, Large Sweep 7050.05

Zinc-coated steel conduit elbows.

Zinc-coated steel conduit, elbows and fittings are used to construct smooth raceways for the pulling in of cable.

Suitable for above ground use indoors or outdoors exposed to sunlight and weather, and for underground use by direct burial or encasement in concrete.

Large radius elbows are also known as sweeps or large sweeps. Five-inch trade size, 60-inch radius sweeps, Stock No. 734826, are used at the base of a riser pole. Elbow angles are accurate to +/- 2% of specified.

Underground duct systems typically utilize elbows that are bent in the field from straight sections. Field bending elbows allows for custom angles and better nesting of multiple runs.

Stock Unit: EA

Stock No.	Trade Size (in)	Degree Bend	Radius (in)	Straight End Length (in)
734820	2	90	36	11
734821	2-1/2	"	36	11
734822	3	"	36	11
734823	3-1/2	"	36	11
734824	4	"	36	11
012176	4	"	48	12
734826	5	"	60	12
013749	4	22-1/2	48	12
013750	4	45	48	12
014580	3	90	24	9
014581	4	90	24	11

Threaded Coupling, Straight Threaded 7050.05

Straight-tapped, zinc-coated threaded coupling.

Zinc-coated steel conduit, elbows and fittings are used to construct smooth raceways for the pulling in of cable.

Suitable for above ground use indoors or outdoors exposed to sunlight and weather, and for underground use by direct burial or encasement in concrete.

Stock Unit: EA

Stock No.	Trade Size (in)
731091	1/2
731092	3/4
731093	1
731094	1-1/4
731095	1-1/2
731096	2
731097	2-1/2
731098	3
731099	3-1/2
731100	4
731102	5

Nipple Stock 7050.05

Zinc-coated nipple stock. Also known as running thread.

Zinc-coated steel conduit, elbows and fittings are used to construct smooth raceways for the pulling in of cable.

Suitable for above ground use indoors or outdoors exposed to sunlight and weather, and for underground use by direct burial or encasement in concrete.

UL 6 defines a nipple to be a straight section of conduit 24 inches in length or less, with male pipe threads at each end. SCL purchases nipple stock in 3-ft lengths.

Stock Unit: EA

Stock No.	Trade Size (in)	Threads per in
734868	1/2	14
734869	3/4	14
734870	1	11-1/2
734872	1-1/2	11-1/2
734873	2	11-1/2
734874	2-1/2	8

Cable Protector, Nylon 7050.09

For installation in duct and conduit ends.

Product details:

- Exceptional resistance to abrasion
- Low coefficient of friction
- Burning rate of 1.04"/minute or slower per ASTM D635
- Temperature range: -20 to +90°C
- Resistant to weak acids and alkalis

Stock Unit: EA

Stock No.	Conduit Size (in)
731800 E	2 to 2-1/2
731801 E	3 to 6

Coupling, Set Screw, Rigid Metallic Conduit (RMC) and Intermediate Metallic Conduit (IMC) 7050.11

Set screw couplings are used to join two unthreaded lengths of RMC or IMC conduit together.

Product details:

- Malleable iron, hot-dip or mechanically galvanized construction
- Slip fit
- General design as shown in Figure 4
- Two- or four-set screw design
- Concrete tight

Stock Unit: EA

Stock No.	Trade Size (in)
013569	2
731082	2-1/2
731083	3
731084	3-1/2
731085	4
731086	5

Coupling, Split-Type, Rigid Metallic Conduit (RMC) and Intermediate Metallic Conduit (IMC) 7050.13

Split-type couplings are used to join two threaded lengths of RMC or IMC conduit together.

Split-type couplings provide a fast and inexpensive method of joining two sections of threaded rigid conduit in areas of close conduit spacing, tight clearance locations and irregular conduit bends which may normally require an expensive union.

Product details:

- Malleable or ductile iron construction
- Zinc electroplate finish
- Neoprene gasket
- Concrete tight

Stock Unit: EA

Stock No.	Trade Size (in)
731146	3/4
731150	2
731152	3
731153	3-1/2
731155	4

Conduit Body, Non-Metallic 7050.15

Conduit bodies are used with Schedule 40 and 80 polyvinyl chloride (PVC) conduit to construct raceway systems for branch circuits. They serve as junctions for branch circuits and provide an access point for pulling, splicing, and maintenance.

Conduit bodies are also known as condulets.

Product details:

- PVC construction
- Non-threaded hubs
- Textured cover with screws
- Foam-in-place or rubber gasket
- Gray color
- Type LR

Stock Unit: EA

Stock No.	Trade Size (in)
732613	1

Conduit Body Assemblies, Metallic 7050.17

Used with rigid steel, rigid aluminum, intermediate metal conduit (IMC), and electrical metallic tubing (EMT) conduit to construct raceway systems for branch circuits. They serve as junctions for branch circuits and provide an access point for pulling, splicing, and maintenance.

Conduit bodies are also commonly known as condulets.

Product details:

- Aluminum, galvanized steel or malleable iron body
- Mark 9, FM9 or Form 9 body style
- Aluminum cover
- Self-retaining, stainless steel cover screws
- Foam-in-place or rubber gasket
- Raintight

Stock Unit: EA

Stock No.	Trade Size (in)	Type
732527	1/2	C
732528	3/4	"

732574	1/2	LB
732575	3/4	"
732576	1	"
732577	1-1/4	"
732578	1-1/2	"
732579	2	"
732580	2-1/2	"

732607	1/2	LR
732608	3/4	"
732609	1	"
732610	1-1/4	"
732611	1-1/2	"
732612	2	"

732596	1/2	LL
732597	3/4	"
732598	1	"
732600	1-1/2	"
732601	2	"

732625	1/2	T
732629	3/4	"
732634	1	"
732639	1-1/4	"
732646	1-1/2	"

Insulating Bushing, Threaded, Plastic 7050.33

Insulating bushings are used to protect wires and cables passing through metal boxes, panels, or troughs. They are also used to insulate the ends of threaded rigid metal conduit (RMS) or intermediate metal conduit (IMC).

Bushings shall have the following attributes:

- High impact thermosetting phenolic body
- 105 degrees C-rated

Stock Unit: EA

Stock No.	Trade Size (in)
731565	1/2
731566	3/4
731567	1
731568	1-1/4
731569	1-1/2
731570	2
731571	2-1/2
731572	3
731573	3-1/2
731574	4
731575	5

Insulating Bushing, Threaded, Plastic with Locknut 7050.33

Insulating bushings are used to protect wires and cables passing through metal boxes, panels, or troughs. They are also used to insulate the ends of threaded rigid metal conduit (RMS) or intermediate metal conduit (IMC).

Bushings shall have the following attributes:

- High impact thermosetting phenolic body
- Steel locknut
- 105 degrees C-rated

Stock Unit: EA

Stock No.	Trade Size (in)
731591	1/2
731592	3/4
731593	1
731594	1-1/4
731595	1-1/2

Insulated-Throat Bushing, Non-Grounding 7050.35

Malleable iron insulated bushings are used with locknuts to protect conductors inside threaded metal conduit entering an electric box or panel. The plastic metal liner prevents damage to wire insulation.

Product details:

- Threaded
- Malleable iron, hot-dip galvanized or zinc electroplate construction
- 105-degree, C-rated thermoplastic insulator

Stock Unit: EA

Stock No.	Trade Size (in)
731515	1/2
731516	3/4
731517	1
731519	1-1/2
731520	2
731521	2-1/2
731523	3-1/2
731524	4

Insulated-Throat Bushing, Grounding 7050.35

Malleable iron insulated bushings are used with locknuts to protect conductors inside threaded metal conduit entering an electric box or panel. The plastic metal liner prevents damage to wire insulation.

Insulated grounding bushings are used for quick installation of bonding jumper to multiple metal conduits. They are designed to bush conductors and prevent insulation damage.

Product details:

- Threaded
- Malleable iron, zinc electroplate construction
- Aluminum tin plated grounding lug
- 150-degree C-rated thermoplastic insulator
- Grounding wire range #14 to #4 AWG

Stock Unit: EA

Stock No.	Trade Size (in)
731530	1-1/2
731531	2
731532	2-1/2
013270	3
012857	4

Insulated Throat Bushing, Grounding, Split-Type 7050.35

Malleable iron insulated bushings are used with locknuts to protect conductors inside threaded metal conduit entering an electric box or panel. The plastic metal liner prevents damage to wire insulation.

Insulated grounding bushings are used for quick installation of bonding jumper to multiple metal conduits. They are designed to bush conductors and prevent insulation damage.

Split bushings are used in situations where the wires have already been pulled through metal conduit fittings and an insulated grounding bushing is required.

Product details:

- Non-threaded
- Zinc die cast or stainless-steel construction
- Aluminum alloy 60610-T6, tin electroplate grounding lug
- 150-degree C-rated thermoplastic insulator
- Grounding wire range #6 AWG to 3/0

Stock Unit: EA

Stock No.	Trade Size (in)
013528	4

Bushing, Insulating, Plastic, Snap-Type 7050.37

Insulating bushings are also known as conduit insuliners, insulating sleeves, throat liners, anti-short insulating bushings, and lock-a-liners.

Used for converting ordinary bushings and connectors to code-approved insulating bushings and connectors without disturbing wiring.

Suitable for use with electrical metallic tubing (EMT), rigid metallic conduit (RMC), intermediate metallic conduit (IMC), and flexible metal conduit (FMC).

Product details:

- High-dielectric, plastic, polypropylene, or nylon
- 105-degree C-rated temperature rating

Stock Unit: EA

Stock No.	Trade Size (in)
731701	1/2
731703	3/4
731705	1
731715	1-1/2

Locknut, Standard 7050.41

Locknuts are used to fasten threaded conduit to opening in an electrical box or panel.

Standard locknuts, when tightened, bite into the paint on the box, providing a positive ground.

Product details:

- Threaded
- Malleable iron or steel, hot-dip galvanized or zinc electroplate construction

Stock Unit: EA

Stock No.	Trade Size (in)
731490	1/2
731491	3/4
731492	1
731493	1-1/4
731494	1-1/2
731495	2
731496	2-1/2
731497	3
731498	3-1/2
731499	4

Locknut, Bonding 7050.41

Locknuts are used to fasten threaded conduit to opening in an electrical box or panel.

Bonding locknuts are used in harsh vibration environments to fasten threaded conduit to unthreaded opening in a box or enclosure. It has a hardened cone point screw that prevents loosening under vibration.

Product details:

- Threaded
- Malleable iron or steel, hot-dip galvanized or zinc electroplate construction
- Hardened steel cone point screw

Stock Unit: EA

Stock No.	Trade Size (in)
731505	1-1/4
731506	1-1/2
731507	2
731508	2-1/2
731509	3

End Bell, PVC 7055.09

Suitable for underground installations.

Stock Unit: EA

Stock No.	Trade Size (in)
734944	2
734946	3
734947	3-1/2
734948	4
734949	5
010340	6

Adapter, PVC 7055.09

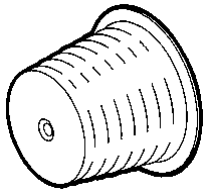
24 inches long. Schedule 40. Connects 3-1/2 -inch round duct to 3-1/2-inch square duct. Suitable for underground installations.

Stock Unit: EA

Stock No.: 734565

Plug, PVC 7055.09

Suitable for underground installations.



Stock Unit: EA

Stock No.	Trade Size (in)
734938	2
734940	3
734942	4
734943	5
010338	6

Conduit, Flexible Metal, Steel (FMC) 7060.05

FMC is used to construct flexible metal raceways for electrical power, control and communications cables.

FMC is also known as reduced wall flexible steel conduit (RW FSC).

Product details:

- Steel, hot-dip galvanized construction
- Interlocking design
- Corrosion resistant

Stock Unit: EA

Stock No.	Trade Size (in)
734895	1/2
734896	3/4

Fitting, Flexible Metal Conduit (FMC), Squeeze Connector 7060.09

Fittings are used to connect flexible metal conduit or armored cable to an electrical box or enclosure.

Fittings are suitable for above-ground use indoors or outdoors in exposed or concealed locations. Fittings are not liquid tight.

Product details:

- Malleable iron, zinc electroplate construction
- Male threads
- Steel locknut
- Non-insulated throat

Stock Unit: EA

Stock No.	Trade Size (in)
731027	3/8
731028	1/2
731029	3/4
731030	1

Fitting, Flexible Metal Conduit (FMC), Angled Connector, 45-Degree 7060.09

Fittings are used to connect flexible metal conduit or armored cable to an electrical box or enclosure.

Fittings are suitable for above-ground use indoors or outdoors in exposed or concealed locations. Fittings are not liquid tight.

Product details:

- Steel or malleable iron, zinc electroplate construction
- Steel locknut
- 2-screw clamp

Stock Unit: EA

Stock No.	Trade Size (in)
731047	1/2

Fitting, Flexible Metal Conduit (FMC), Angled Connector, 90-Degree — 7060.09

Fittings are used to connect flexible metal conduit or armored cable to an electrical box or enclosure.

Fittings are suitable for above-ground use indoors or outdoors in exposed or concealed locations. Fittings are not liquid tight.

Product details:

- Steel or malleable iron, zinc electroplate construction
- Steel locknut
- 1-screw clamp

Stock Unit: EA

Stock No.	Trade Size (in)
731050	1/2
731051	3/4
731052	1

Fitting, Flexible Metal Conduit (FMC), Screw-In Flex Connector — 7060.09

Fittings are used to connect flexible metal conduit or armored cable to an electrical box or enclosure.

Fittings are suitable for above-ground use indoors or outdoors in exposed or concealed locations. Fittings are not liquid tight.

Product details:

- Die-cast zinc construction with a ball-burnished, mirror-smooth finish
- Steel locknut

Stock Unit: EA

Stock No.	Trade Size (in)
731038	1/2
731040	3/4

Liquidtight Flexible Metal Conduit (LFMC) 7070.05

LFMC provides protection for wiring circuits located in extremely wet or damp areas. It is suitable for above-ground use indoors or outdoors in exposed or concealed locations. It is also approved for direct burial and concrete encasement.

The physical appearance of LFMC resembles its close relative, Liquid Flexible Nonmetallic Conduit (LFNC). Both have smooth gray outer jackets that are liquidtight. However, LFMC has an inner steel armor, which makes it stronger and less vulnerable to kinking.

Product details:

- Hot-dip, zinc-galvanized, low-carbon steel core material
- Moisture, oil, and sunlight resistant; and flame retardant; PVC jacket
- Gray jacket color
- 80-degree C-rated for dry locations
- 60-degree C-rated for wet locations
- 70-degree C-rated for oily locations

Stock Unit: FT

Stock No.	Trade Size (in)
012096	1/2
012097	3/4
014962	1-1/4

Liquidtight Flexible Nonmetallic Conduit (LFNC) 7080.05

LFNC gives protection for wiring circuits located in extremely wet or damp areas. It is suitable for above ground use indoors or outdoors in exposed or concealed locations. It is also approved for direct burial and concrete encasement.

The physical appearance of LFNC resembles its close relative, Liquidtight Flexible Metallic Conduit (LFMC). Both have smooth gray liquidtight outer jackets. However, LFNC is more flexible and is used in locations where flexibility is required for installation, operation, or maintenance.

Product details:

- Nonmetallic PVC, integral Type B construction
- Gray jacket color
- 80-degree C-rated for dry locations
- 60-degree C-rated for wet locations
- 70-degree C-rated for oily locations
- -18-degree C-rated low temperatures

Stock Unit: FT

Stock No.	Trade Size (in)
013544	1/2

Fitting, Liquidtight, Metallic, Straight Connector 7080.09

Fittings are used with LFMC and LFNC installed in outdoor or indoor locations where exposed to continuous or intermittent moisture.

Straight connectors shall have the following attributes:

- Steel, zinc die-cast, malleable iron, zinc electroplate construction
- 105-degree C-rated thermoplastic insulator
- Suitable for use with LFMC and LFNC

Stock Unit: EA

Stock No.	Trade Size (in)
012088	1/2
012089	3/4

Fitting, Liquidtight, Metallic, Angled (90-Degree) Connector 7080.09

Fittings are used with LFMC and LFNC installed in outdoor or indoor locations where exposed to continuous or intermittent moisture.

Angled connectors shall have the following attributes:

- Steel, zinc die-cast, malleable iron, zinc electroplate construction
- 105-degree C-rated thermoplastic insulator
- Suitable for use with LFMC and LFNC

Stock Unit: EA

Stock No.	Trade Size (in)
012090	1/2
012091	3/4

Pipe Fittings, Sump Pump Accessories, DWV, Schedule 40 PVC 7100.0

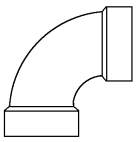
Used for pump discharge pipes in underground vaults.

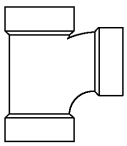
Key to abbreviations:

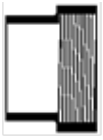
- DWV – drain, waste and vent (plumbing fittings)
- FIPT – female iron pipe thread
- IPS = iron pipe size
- MIPT = male iron pipe thread
- S = slip fitting (for gluing)

Stock Unit: EA

Stock No.	Type	Size	Joint
710101	Elbow 90	1-1/4" IPS	S x S
710116	Elbow 90	2" IPS	S x S
710117	Elbow 90, Long turn	2" IPS	S x S
710100	Elbow 45	1-1/4" IPS	S x S
710114	Elbow 45	2" IPS	S x S
710118	Tee, Sanitary	1-1/4" IPS	S x S
710110	Tee, Sanitary	2" IPS	S x S
710127	Adapter and Plug, Cleanout	1-1/4" IPS	FIPT x S MIPT
710128	Adapter, Cleanout	2" IPS	FIPT x S
710123	Plug, Cleanout	2" IPS	MIPT
710112	Adapter, M	2" IPS	MIPT x S
710122	Tee, Cleanout	2"	S x FIPT x S
710124	Bushing, Flush Reducer	2" x 1-1/4"	S x S
710129	Bushing, Flush Reducer	1-1/2" x 1-1/4"	S x S
714079	Valve, Check, Plastic Flapper, PVC	1-1/4"	S x S
714077	Valve, Check, Union Type, Plastic Flapper, PVC	2"	S x S

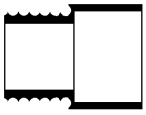


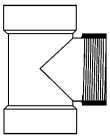


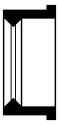


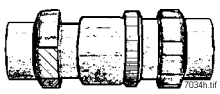
Adapter

Plug









Pipe, Galvanized Steel 7134.20

For use as a brace in the primary and secondary pipe bracing guying construction

Product details:

- Tubing size: 2-1/2 inches
- Schedule 40
- 21 ft length
- Hot-dipped galvanized
- 2-7/8 inches outer diameter
- Pipe grade: A53, standard weight

Stock Unit: FT

Stock No.: 710370

Pipe Fitting, Union 7134.25

Pipe fittings are suitable for constructing potable water and drainage systems.

Nominal pipe size (NPS) and iron pipe size (IPS) are considered interchangeable terms. Pipe fittings are Class 150.

Pipe fittings are steel or malleable iron.

Stock Unit: EA

Stock No.: 713826

Pipe Fitting, Reducer 7134.25

Pipe fittings are suitable for constructing potable water and drainage systems.

Nominal pipe size (NPS) and iron pipe size (IPS) are considered interchangeable terms. Pipe fittings are Class 150.

Pipe fittings are steel or malleable iron.

Stock Unit: EA

Stock No.	Size
713389	1 x 3/4
713393	1-1/4 x 1
713400	2 x 1-1/2

Pipe Fitting, Floor Flange 7134.25

Pipe fittings are suitable for constructing potable water and drainage systems.

Nominal pipe size (NPS) and iron pipe size (IPS) are considered interchangeable terms. Pipe fittings are Class 150.

Pipe fittings are steel or malleable iron.

Stock Unit: EA

Stock No.	NPS
712105	3/4
712109	2

Pipe Fitting, 90-Degree Elbow 7134.25

Pipe fittings are suitable for constructing potable water and drainage systems.

Nominal pipe size (NPS) and iron pipe size (IPS) are considered interchangeable terms. Pipe fittings are Class 150.

Pipe fittings are steel or malleable iron.

Stock Unit: EA

Stock No.	NPS
711902	1/4
711904	1/2
711906	1
711909	2

Pipe Fitting, 90-Degree Street Elbow 7134.25

Pipe fittings are suitable for constructing potable water and drainage systems.

Nominal pipe size (NPS) and iron pipe size (IPS) are considered interchangeable terms. Pipe fittings are Class 150.

Pipe fittings are steel or malleable iron.

Stock Unit: EA

Stock No.	NPS
711945	3/4
711946	1
911947	1-1/4

Pipe Fitting, Bushing, Outside Hexagon 7134.25

Pipe fittings are suitable for constructing potable water and drainage systems.

Nominal pipe size (NPS) and iron pipe size (IPS) are considered interchangeable terms. Pipe fittings are Class 150.

Pipe fittings are steel or malleable iron.

Stock Unit: EA

Stock No.	Size
711175	1/2 x 1/4
711181	1 x 3/4
711194	2 x 1-1/4
711195	2 x 1

Pipe Fitting, Cap 7134.25

Pipe fittings are suitable for constructing potable water and drainage systems.

Nominal pipe size (NPS) and iron pipe size (IPS) are considered interchangeable terms. Pipe fittings are Class 150.

Pipe fittings are steel or malleable iron.

Stock Unit: EA

Stock No.	NPS
711345	3/4
711346	1
711349	2
711353	4

Pipe Fitting, Nipple 7134.25

Pipe fittings are suitable for constructing potable water and drainage systems.

Nominal pipe size (NPS) and iron pipe size (IPS) are considered interchangeable terms. Pipe fittings are Class 150.

Pipe fittings are steel or malleable iron.

Stock Unit: EA

Stock No.	NPS	Length (in)
712862	1/4	3
712784	1/2	close
712804	"	1-1/2
712824	"	2
712864	"	3
712904	"	4
712785	3/4	close
712825	"	2
712786	1	close
712826	"	2
712846	"	2-1/2
712906	"	4
712789	2	close
712849	"	2-1/2
712869	"	3
712989	"	6
712854	"	12

Pipe Fitting, Coupling 7134.25

Pipe fittings are suitable for constructing potable water and drainage systems.

Nominal pipe size (NPS) and iron pipe size (IPS) are considered interchangeable terms. Pipe fittings are Class 150.

Pipe fittings are steel or malleable iron.

Stock Unit: EA

Stock No.	NPS
711665	3/4
711666	1

Pipe Fitting, Plug, Square Head 7134.25

Pipe fittings are suitable for constructing potable water and drainage systems.

Nominal pipe size (NPS) and iron pipe size (IPS) are considered interchangeable terms. Pipe fittings are Class 150.

Pipe fittings are steel or malleable iron.

Stock Unit: EA

Stock No.	Head Type	NPS
713283	Solid	1/4
713285	"	3/8
713287	Cored	1/2
713289	"	3/4
713291	"	1
713297	"	2

Ball Valve, Bronze, 1-Inch 7134.35

Used to control the flow of water, oil, or gas.

Product details:

- Silicon bronze body
- Lead-free in accordance to NSF/ANSI 61 Section 8 and Annex G
- Female NPT threaded – both ends
- Stainless steel or brass stem and ball
- Stainless steel latch-lock handle and nut
- Reinforced Polytetrafluoroethylene (PTFE) seat rings and washer
- Steam Working Pressure (SWP):100 psig (min)
- Cold Working Pressure (CWP): 600 psig

Stock Unit: EA

Stock No.:714076

Pipe Strap, One-Hole, for Rigid Conduit 7134.5

Malleable iron.

Stock Unit: EA

Stock No.	Trade Size (in)
713440 E	1/4
713441 E	3/8
713442 E	1/2
713443 E	3/4
713444 E	1
713445	1-1/4
713446	1-1/2
713447	2
713451	4

Strap, Stamped Steel, One-Hole 7134.55

Used to support electrical metallic tubing (EMT) conduit.

Product details:

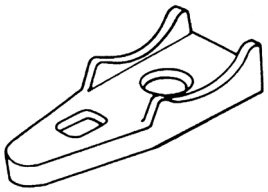
- Stamped steel construction
- Zinc-electroplate
- One-hole
- Mounting bolt size, 1/4 in

Stock Unit: EA

Stock No.	Trade Size (in)
731418	1/2
731419	3/4
731420	1

Pipe Spacer, (Clamp Back), for Rigid Conduit 7134.6

Malleable iron.

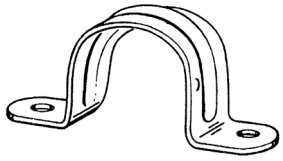


Stock Unit: EA

Stock No.	Trade Size (in)
713338	1/2
713452	3/4
713453	1
713454	1-1/4
713455	1-1/2
713456	2

Pipe Strap, Two-Hole, for Rigid Conduit 7134.7

Stamped steel.



Stock Unit: EA

Stock No.	Trade Size (in)
713461 E	3/8
713462 E	1/2
713463 E	3/4
713464	1
713465	1-1/4
713466	1-1/2
713467	2
713469	3
713470	3-1/2

Outlet Box, Octagonal 7136.15

Designed to facilitate the pulling of wires, to protect and facilitate wiring splices and taps, to provide a means of mounting and protecting wiring devices, such as switches and receptacles, and to provide a connection for rigid conduit, electrical metallic tubing, armored cable, metal clad cable, nonmetallic sheathed cable, and flexible metallic conduit wiring systems.

Product details:

- Supplied with two mounting screws
- Steel, hot-dip galvanized construction
- 0.0625" minimum thickness

Stock Unit: EA

			Number and Size of Knockouts	
Stock No.	**Size (in)**	**Depth (in)**	**Sides**	**Bottom**
732050	3-1/4	1-1/2	4 - 1/2"	1 - 1/2"
732060	4	1-1/2	4 - 1/2"	5 - 1/2"
732062	4	1-1/2	2 - 1/2" & 2 - 3/4"	3 - 1/2" & 2 - 3/4"
732163	4	1-1/2	2 - 1/2" & 2 K.O.	1 - 1/2"
010379	4	2-1/8	4 - 1/2"	5 - 1/2"
732065	4	2-1/8	4 - 3/4˝	3 - 1/2" & 2 - 3/4"
732066	4	2-1/8	2 -1/2" & 2 - 3/4"	3 - 1/2" & 2 - 3/4"
732067	4	2-1/8	4 – 1"	3 - 1/2" & 2 - 3/4"

Outlet Box, Square 7136.15

Designed to facilitate the pulling of wires, to protect and facilitate wiring splices and taps, to provide a means of mounting and protecting wiring devices, such as switches and receptacles, and to provide a connection for rigid conduit, electrical metallic tubing, armored cable, metal clad cable, nonmetallic sheathed cable, and flexible metallic conduit wiring systems.

Product details:

- Supplied with two mounting screws
- Steel, hot-dip galvanized construction
- 0.0625" minimum thickness

Stock Unit: EA

			Number and Size of Knockouts	
Stock No.	**Size (in)**	**Depth (in)**	**Sides**	**Bottom**
732080	4	1-1/2	3 - 1/2"	5 - 1/2"
732082	4	1-1/2	2 -1/2" & 1 -3/4"	3 - 1/2" & 2 - 3/4"
732085	4	2-1/8	3 - 1/2"	3 - 1/2" & 2 - 3/4"
010411	4	2-1/8	2 - 1/2" & 1 - 3/4"	3 - 1/2" & 2 - 3/4"

Switch Box 7136.15

Designed to facilitate the pulling of wires, to protect and facilitate wiring splices and taps, to provide a means of mounting and protecting wiring devices, such as switches and receptacles, and to provide a connection for rigid conduit, electrical metallic tubing, armored cable, metal clad cable, nonmetallic sheathed cable, and flexible metallic conduit wiring systems.

Product details:

- Steel, hot-dip galvanized construction
- 0.0625" minimum thickness
- Gangable*
- Non-Leveling (732017 & 732019)
- Leveling bumps (732018)
- External nail brackets
- Plaster ears
- Beveled corners (732017 & 732018)
- Square corners (732019)
- 2 pryouts for loom or nonmetallic sheathed cable

* Gangable boxes have provisions that allow one or both sides of the box to be removed and connected (ganged) side-by-side with another box to form a large single electrical box.

Stock Unit: EA

				Number and Size of Knockouts		
Stock No.	**Length (in)**	**Width (in)**	**Depth (in)**	**Sides**	**Ends**	**Bottom**
732017	3	2	2-1/4	–	2 - 1/2"	1 - 1/2"
732018	3	2	2-1/4	–	2 - 1/2"	1 - 1/2"
732019	3	2	3-1/2	4 - 1/2"	2 - 1/2"	1 - 1/2"

Utility Box 7136.15

Designed to facilitate the pulling of wires, to protect and facilitate wiring splices and taps, to provide a means of mounting and protecting wiring devices, such as switches and receptacles, and to provide a connection for rigid conduit, electrical metallic tubing, armored cable, metal clad cable, nonmetallic sheathed cable, and flexible metallic conduit wiring systems.

Product details:

- Steel, hot-dip galvanized construction
- 0.0625" minimum thickness

Stock Unit: EA

Stock No.	Length (in)	Width (in)	Depth (in)	Sides	Ends	Bottom
732130	4	2-1/8	1-7/8	6 – 1/2"	2 - 1/2"	3 - 1/2"
732142	4-1/8	2-3/8	2-3/16	4 – 3/4"	2 - 3/4"	3 - 1/2"

Outlet Box Extensions 7136.15

Product details:

- Steel, hot-dip galvanized construction
- 0.0625" minimum thickness

Stock Unit: EA

				Number and Size of Knockouts		
Stock No.	Shape	Length (in)	Width (in)	Depth (in)	Sides	Ends
732069	Octagon	4	4	1 – 1/2"	2 - 1/2"	2 - 1/2"
732071	Octagon	4	4	1 – 1/2"	2 - 1/2"	2 – 3/4"
732095	Square	4	4	1 – 1/2"	6 - 1/2"	6 - 1/2"
732139	Rectangle	4	2-1/8	1 – 1/2"	6 – 1/2"	2 - 1/2"

Outlet Box, Duplex, Weatherproof 7316.15

Weatherproof duplex outlet boxes are used in branch circuit wiring in wet, damp, or dry locations. They may be used as weatherproof junction box, or as a housing for receptacles, switches, and GFCI.

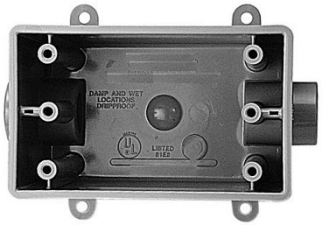
Product details

- Die-cast aluminum
- 4 threaded outlets
- Gray powdered coating for weatherability
- Ground screw installed
- Include gasket and mounting hardware
- Include two closure plugs
- NEMA 3R rated
- Used with weatherproof cover plate, Stock No. 732318.

Stock Unit: EA

Stock No.	Length (in)	Width (in)	Depth (in)	Sides	Ends (in)	Bottom (in)
732149	4-1/2	2-3/4	2-1/8	–	3 - 1/2	1 - 1/2

Outlet and Switch Box, Nonmetallic 7136.19



Used with Schedule 40 and 80 polyvinyl chloride (PVC) conduit to facilitate the pulling of wires, to protect and facilitate wiring splices and taps, to provide a means of mounting and protecting wiring devices, such as switches and receptacles.

Nonmetallic boxes are designed for use in indoor and outdoor locations where the box is exposed and subject to environmental conditions.

For damp and wet locations this box is to be used with weatherproof while-in-use covers, Stock No. 014570.

Product details:

- PVC construction
- Without cover
- Non-threaded hubs
- One hub on each of the two short walls of the box
- 1-Gang
- 25 cubic inch volume
- Integral mounting feet

Stock Unit: EA

Stock No.	Conduit Size (in)
734567	1/2
734571	3/4

Knockout Seal 7136.25

Steel construction, with a zinc electroplate or galvanized finish.

Used to cap unused knockout openings in a box or enclosure.

Suitable for use with metallic outlet and switch boxes.

Stock Unit: EA

Stock No.	Size (in)
731554	1/2
731555	3/4
731556	1
731557	1-1/4
731558	1-1/2
731559	2

Reducing Washer 7136.25

Steel construction, with a zinc electroplate or galvanized finish.
Used to reduce the size of box or enclosure knockout holes.
Used in pairs, one inside and one outside of the box or enclosure.
Suitable for use with metallic outlet and switch boxes.

Stock Unit: EA

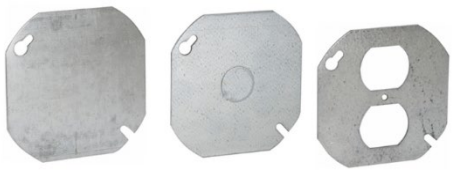
Stock No.	Size (in)
731270	3/4 to 1/2
731271	1 to 1/2
731272	1 to 3/4
731274	1-1/4 to 3/4
731275	1-1/4 to 1
731276	1-1/2 to 1/2
731279	1-1/2 to 1-1/4
731284	2 to 1-1/2

Outlet and Switch Box Covers, Octagonal 7137.15

Covers are used to close metallic outlet and switch boxes. Round covers can also be used to close octagonal boxes.

Product details:

- Steel, hot-dip galvanized construction
- 0.0625 inches minimum thickness



Stock Unit: EA

Stock No.	Description	Diameter (in)
732215	Flat - blank	3-1/2
732230	Flat - blank	4
732233	Flat with 1/2-inch KO	4
732242	Duplex outlet	4

Outlet and Switch Box Covers, Square 7137.15

Covers are used to close metallic outlet and switch boxes.

Product details:

- Steel hot-dip galvanized construction
- 0.0625 inches minimum thickness
- 1/2-inch raised depth
- 5/8-inch raised depth for Stock No. 014568

Stock Unit: EA

Stock No.	Description	Size (in)
732251	Flat - blank	4 x 4
014569	Flat with 1/2-inch K.O.	4 x 4
010419	One toggle switch	4 x 4
732282	Two toggle switches	4 x 4
010417	1 switch & 1 duplex receptacle	4 x 4
010416	1 duplex receptacle	4 x 4
010418	Two duplex receptacles	4 x 4
010420	GFCI receptacle	4 x 4
014568	Center blanked with topped 5/8-in raised depth	4 x 4

Outlet and Switch Box Covers, Utility Box 7137.15

Covers are used to close metallic outlet and switch boxes.

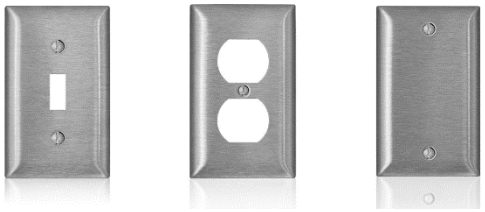
Product details:

- Steel, hot-dip galvanized construction
- 0.0625 inches minimum thickness
- Supplied with captive mounting screws

Stock Unit: EA

Stock No.	Description	To Fit Box No.	Size (in)
732305	Flat - blank	732130	4 x 2-1/8
732307	Single outlet	732130	"
732309	Duplex outlet	732130	"
732311	Toggle switch	732130	"
732313	Flat - blank	732142	4-1/4 x 2-1/2
732316	Duplex outlet	732142	"
732317	Toggle switch	732142	"

Outlet and Switch Box Covers, Wallplates 7137.15



Covers are used to close metallic outlet and switch boxes.

Product details:

- 302/304 stainless steel construction
- 0.032” minimum thickness
- Stainless steel color
- Supplied with mounting screws
- Non-magnetic
- Slightly beveled edges

Stock Unit: EA

Stock No.	Description	To Fit Box No.	Size Range (in)
733429	Toggle switch	732130	2.75–3.13 x 4.50–4.87
733430	Duplex outlet	732130	"
732309	Flat - blank	732130	"

Outlet and Switch Box Cover, Weatherproof Duplex Cover 7137.15

Weatherproof duplex covers are for use whenever weatherproof protection is required for an outdoor receptacle. It is used with weatherproof duplex outlet box, Stock No. 732149.

Product details:

- Die-cast aluminum construction
- Gray powder coating for weatherability
- Include gasket and mounting hardware
- Designed for a horizontal outlet
- Self-closing lid
- NEMA 3R rated

Stock Unit: EA

Stock No.	Size (in)
732318	4-9/16 x 2-13/16

Outlet and Switch Box Cover, Weatherproof GFCI Cover 7137.15

Gray, weatherproof. For use whenever weatherproof protection is required for an outdoor GFCI receptacle. It is used with streetlight pole receptacle, Stock No. 569220.

Stock Unit: EA

Stock No.	Length (in)	Width (in)	Style
569225	4-1/2	2-3/4	Vertical

Outlet and Switch Box Covers, Non-Metallic, Non-Weatherproof — 7137.19

Outlet and switch box covers are used to close outlet and switch boxes and to provide protection against contact with live terminals and wiring.

Article 406 of the National Electrical Code (NEC) covers the installation and use of outlet and switch box covers.

Product details:

- High impact, self-extinguishing molded nylon or polycarbonate
- 0.10” minimum thickness or equivalent mechanical strength
- Standard or mid-size per figures 4.1a and 4.1b
- Slightly beveled edges
- Supplied with captive mounting screws
- -40-dergres Celsius to 85-degrees Celsius operating temperature

Stock Unit: EA

Stock No.	Description	Color
733401	1-gang for 1 switch	Brown
733421	1-gang for 1 switch	Ivory
733402	2-gang for 2 switches	Brown
733404	2-gang for 2 switches	Ivory
733408	1-gang for 1 duplex outlet	Brown
733428	1-gang for 1 duplex outlet	Ivory
733417	2-gang for 2 duplex outlets	Brown

Outlet and Switch Box Cover, Non-Metallic, Weatherproof While-in-Use — 7137.19

Outlet and switch box covers are used to close outlet and switch boxes and to provide protection against contact with live terminals and wiring.

Weatherproof, while-in-use covers, Stock No. 014570, are used with weatherproof outlet and switch boxes, Stock Nos. 734567 and 734571.

Article 406 of the National Electrical Code (NEC) covers the installation and use of outlet and switch box covers.

Product details:

- Heavy-duty UV stabilized polycarbonate construction
- 1-gang
- Clear cover and gray body color
- Lockable, OSHA lockout/tagout compliant cover
- Designed for vertical or horizontal mounting configurations
- Include gaskets and mounting hardware
- Fit 1-gang metallic and nonmetallic weatherproof boxes
- NEMA 3R rated

Stock Unit: EA

Stock No.	Description	Color
014570	Weatherproof while-in-use cover	Body: gray Cover: clear

Aerial Self-Support Duct with 1/4-in Support Strand 7140.25

Self-support duct provides aerial placement of fiber optics, coaxial cables and other types of utility cables. It is attached to wood poles and other structures with serpentine clamps.

Aerial self-support duct with 1/4-in strand shall be used for pole to pole spans of less than 225 ft. For spans of greater than 225 ft but less than 400 ft, the use of All Dielectric Self Supporting (ADSS) cable or aerial self-support duct with 3/8-in strand shall be used. For spans of greater than 400 ft, detailed pull and sag calculations are required.

Self-support duct has a weight of approximately 0.413 lb/ft.

Stock Unit: EA

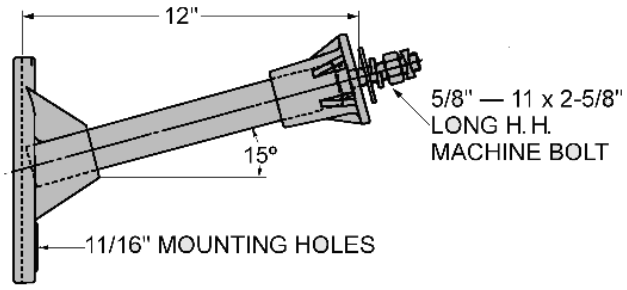
Stock No.: 014266

Aerial Self-Support Duct Hardware 7141.25

Self-support duct provides aerial placement of fiber optics, coaxial cables, and other types of utility cables.

Stock Unit: EA

Stock No.	Description
012258	Coupler, aerial self-support duct
014267	Clamp, serpentine, 1/4 in messenger
010314	Clamp, serpentine, 3/8 in messenger
012257	Clamp, bonding/grounding
010313	Standoff bracket, communications



Fluidized Thermal Backfill (FTB) 7150.00

A thermally conductive concrete and low strength material used as backfill for trenches to encase electrical conduits (duct banks). It can also be used for pole installation as backfill instead of crushed rock.

Because FTB is a mixed-to-order product, it is not stocked in Seattle City Light inventory.

Stock Unit: EA

Stock No.	Description
013711	High-strength FTB
013712	Low-strength FTB

Controlled Density Backfill 7150.30

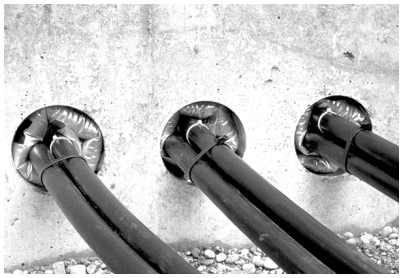
CDF is a mixture of Portland cement, fly ash, aggregates, water, and admixtures proportioned to provide a non-segregating, free-flowing, low-strength, compacted, dense, and non-settling backfill material.

CDF is used in vault, handhole, and pad applications. Secondary and service conduits may also use CDF backfill.

Stock Unit: Cubic yard

Stock No.	Description
013713	Pipe bedding CDF
013714	Structural fill CDF
013715	Trench backfill CDF

Inflatable Duct Sealing System 7201.65



The Rayflate Duct Sealing System (RDSS) is designed to provide a waterproof seal around power cables in ducting systems. It helps to prevent flooding in cable vaults, access manholes, substation basements, and customer feeds. The system may be used with plastic, concrete or steel ducting systems.

The RDSS consists of an inflatable bladder of flexible metallic laminate and a sealing clip. The system comes in different kits, corresponding to number of cables and cable diameter. The number of cables determines the system size, as well as the number of clips to use.

Depending on the duct diameter, most Rayflate bladders seal vacant ducts and ducts containing up to two cables.

Sealing of three or more cables can be achieved by inserting a mastic sealant clip between the cables. The clip is made from a high-temperature mastic mounted on an installation stick.

Stock Unit: EA

Number of Cables in Duct	Duct Inner Diameter Range (in)	Max. Cable or Cable Bundle Diameter (in)	Raychem Inflation Kit	SCL Stock No.	Clip Part No. / No. of clips	SCL Stock No.
0, 1, or 2	1.75 to 2.25	0.7 to 1.6	RDSS-60	737530	None	–
	2.50 to 3.00	1.5 to 2.2	RDSS-75	737531	None	–
	3.25 to 4.50	2.2 to 3.5	RDSS-100	737532	None	–
	4.75 to 5.00	3.8 to 4.1	RDSS-125	737533	None	–
3 or 4	1.75 to 2.25	0.5 to 1.4	RDSS-60	737530	RDSS-CLIP-75 (1)	737541
	2.50 to 3.00	1.3 to 2.0	RDSS-75	737531	RDSS-CLIP-75 (1)	737541
	3.25 to 4.50	2.0 to 3.3	RDSS-100	737532	RDSS-CLIP-100 (1)	737542
	4.75 to 5.00	3.6 to 4.9	RDSS-125	737533	RDSS-CLIP-125 (1)	737543
5, 6, or 7	1.75 to 2.25	0.3 to 1.2	RDSS-60	737530	RDSS-CLIP-75 (2)	737541
	2.50 to 3.00	1.1 to 1.8	RDSS-75	737531	RDSS-CLIP-75 (2)	737541
	3.25 to 4.50	1.8 to 3.1	RDSS-100	737532	RDSS-CLIP-100 (2)	737542
	4.75 to 5.00	3.4 to 3.7	RDSS-125	737533	RDSS-CLIP-125 (2)	737543

Fire Barrier Plugs 7201.69

Fire barrier plugs are used to provide a fire barrier for cable openings in interior walls and floors. They are not for use in wet rooms or outdoors exposed to the weather or UV radiation.

Product details:

- Color: red
- Application temperature: 40°F to 104°F (5°C to 40°C)
- Temperature resistance: 5°F to 140°F (-15°C to 60°C)
- Intumescent activation: 392°F (200°C)
- Expansion ratio (unrestricted): approximately 1:3

Stock Unit: EA

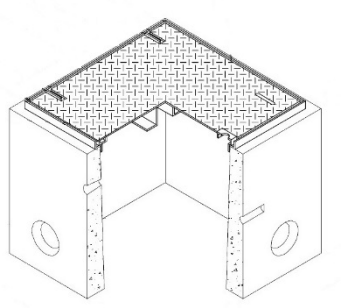
Stock No.	Conduit Size (in)
012520	2
012521	4

Handhole with Cover, Precast Concrete, Secondary, “3030” 7203.04

Precast concrete secondary handhole with galvanized slip-resistant cover.

Handholes are used to house secondary service connections.

Handholes are for use in pedestrian sidewalks where an occasional car or light truck may inadvertently traverse.



Stock Unit: EA

Stock No.	Description	Size, W x L x D (in)
013186	3030 handhole assembly, base with frame and cover (labeled “SCL”)	30 x 30 x 25.5
013187	3030 handhole, base only	30 x 30 x 24
013188	3030 handhole frame and cover assembly (labeled “SCL)”	28 x 28 x 1.5

Handhole, Precast Concrete, with Cover, “233” 7203.08

Precast concrete secondary handhole with galvanized slip-resistant cover.

Stock Unit: EA

Stock No.	Description	Size, (I.D.), W x L x H (in)
015090	Base, 231 handhole, 6-inch height	24 x 36 x 6
013182	Base, 231 handhole, 12-inch height	24 x 36 x 12
013183	Base, 233 handhole	24 x 36 x 36
013184	Cover slab, w/ 2' x 3' NS hatch, “SCL”	24 x 36 x 06
013185	Cover slab, w/ 2' x 3' NS hatch, “SL”	24 x 36 x 06
013484	Cover slab, w/ 2' x 3' NS hatch, “SL/SDOT”	24 x 36 x 06
013180	231 handhole w/ Cover, “SCL”	24 x 36 x 18
013181	231 handhole w/ Cover, “SL”	24 x 36 x18
720388	233 handhole w/ Cover, "SCL”	24 x 36 x 42
013179	233 handhole w/ Cover, “SL”	24 x 36 x 42
013485	233 handhole w/ Cover, “SL/SDOT”	24 x 36 x 42

Handhole, Type 1 and Type 2, Precast Concrete, Open Bottom, Riser and Cover, Secondary and Streetlight 7203.10

Handhole assemblies are used to construct the means to allow connections to be made for secondary service and streetlight located on pedestrian sidewalks.

H-20 rated frames and covers are for use in pedestrian sidewalks where an occasional car or light truck may inadvertently traverse, or side streets that see only light truck traffic.

Precast concrete secondary and streetlight handholes are used with galvanized, slip-resistant covers.

Extension and cover are available separately.

Stock No.	Description	Size, W x L x D (in) or W x L (in)
014923	Type 1 assembled handhole, with frame and cover labeled “SL”	14 x 19 x 12
014917	Type 2 assembled handhole, with frame and cover, labeled “SCL”	17 x 28 x 12
014918	Type 2 assembled handhole, with frame and cover, labeled “SL”	17 x 28 x 12
014921	Type 2 handhole, with frame and no cover	17 x 28 x 12
014922	Type 2 handhole stacking riser, without frame or cover	17 x 28 x 12
014919	Type 2 handhole cover, labeled “SCL”	16-3/4 x 27-3/4
014920	Type 2 handhole cover, labeled “SL”	16-3/4 x 27-3/4

Handhole, Secondary, Composite Fiberglass, Polymer Concrete 7203.12

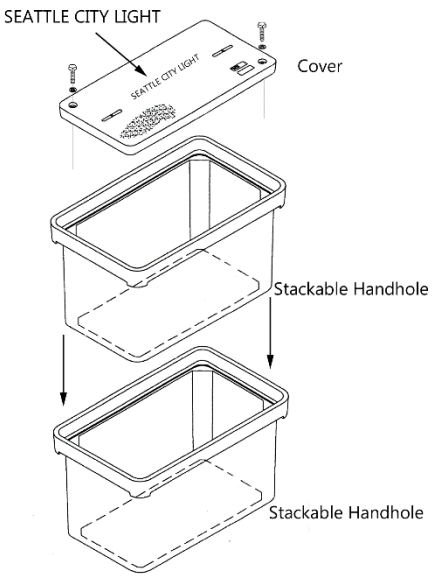
Composite fiberglass polymer handholes and polymer concrete handholes and covers. Handholes are non-conductive, non-flammable and corrosion resistant underground enclosures used to house connections for secondary service and streetlight (SL).

Tier 5 enclosures are only to be used in planting strips or landscaped areas, or for pedestrian traffic.

Not intended for use in constant traffic areas.

Handhole boxes may be stacked to achieve proper service termination installation depth of 24 inches or 36 inches as required in SCL1561.07.

Order as separate items.



Stock Unit: EA

Stock No.	Description	Size, W x L x D (in)
720393	Handhole	17 x 30 x 12
720397	Cover	17 x 30 x 3/4
720394	Handhole	24 x 36 x 18
720399	Cover	24 x 36 x 2

Handhole, Polymer Concrete, Secondary and Streetlight 7203.20

Non-conductive, non-flammable, corrosion resistant, and lightweight underground enclosures used to house connections for secondary service and streetlight (SL) located on pedestrian sidewalks.

Two types of handholes are approved for secondary and SL connections: Type 1 and 2 with nominal interior dimensions of 13 inches by 24 inches and 17 inches by 30 inches, respectively.

Three components comprise a handhole assembly: box, extension, and cover.

Polymer concrete handholes are not intended for use in constant traffic areas.

Stock Unit: EA

Stock No.	Description	Size (W x L x D (in)	Application
013321	Type 1 box with cover “STREETLIGHT”	13 x 24 x 12	Streetlight
013322	Type 2 box/extension, without cover	17 x 30 x 12	Secondary or Streetlight
013323	Type 2 cover “ELECTRIC”	17 x 30 x 12	Secondary
013324	Type2 cover “STREETLIGHT”	17 x 30 x 12	Streetlight

444 Enclosure, Precast 7203.26

Precast concrete enclosure assemblies and components with galvanized non-slip covers.

444 enclosures are intended for use in the construction of underground electric systems. The precast concrete structures may be used to house load break junction boxes, communications wires, or service connections and splices for the distribution system.

H20-rated 444 enclosures are not intended to be used in high density traffic locations.

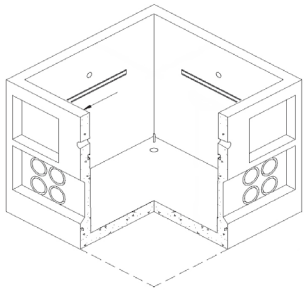
Stock Unit: EA

		Outside Dimensions, Nominal				
Stock No.	**Description**	**Length**	**Width**	**Outside Height**	**Door/Opening**	**Loading**
013093	444 enclosure base	4-0	4-0	3-6	–	–
013094	444 cover with square hatch	4-0	4-0	0-6	36 x 36, non-slip, solid	H20
013095	444 cover, round	4-0	4-0	0-6	42 round, solid	H20
013157	Oversized 444 cover	4-8	4-8	0-8	34 x 37, solid	H30
013120	Assembled 444 enclosure unit	4-0	4-0	4-2	36 x 36, non-slip, solid	H20
013121	Assembled 444 enclosure unit	4-0	4-0	4-2	42 round, solid	H20
013158	Assembled 444 enclosure unit	4-0	4-0	4-4	34 x 37, solid	H30

504 Electric Vault, Primary Service 7203.31

Precast concrete vault assemblies and components with galvanized non-slip covers.

The 504 or 554 vaults are intended for use in the construction of underground electric systems. The precast concrete structure may be used to house load break junction boxes, and in making service connections and splices for the distribution system.



Stock Unit: EA

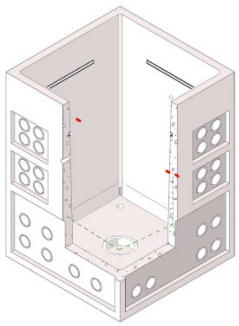
		Dimensions, Nominal (ft–in)			Dimensions, Nominal (in)	
Stock No.	**Description**	**Length**	**Width**	**Depth**	**Door/Opening**	**Loading**
013096	504 Vault Base	4-8	4-8	3-6	–i	–i
013097	55 Cover Slab	4-8	4-8	0-6	36 x 36 non-slip, solid	H20
013098	55 Cover Slab	4-8	4-8	0-6	42 round, solid	H20
013159	55 Cover Slab	4-8	4-8	0-6	34 x 37, solid	H30
013122	Assembled 504 Vault Unit	4-8	4-8	4-0	36 x 36, non-slip, solid	H20
013123	Assembled 504 Vault Unit	4-8	4-8	4-0	42 round, solid	H20
013160	Assembled 504 Vault Unit	4-8	4-8	4-0	34 x 37, solid	H30

Precast Concrete Vault, “507” 7203.36

Precast concrete vault assemblies and components with galvanized non-slip covers.

507 (also known as 557) vaults are used to construct underground electric systems. The precast concrete structure may be used to house medium-sized transformers, load break junction boxes, and in making service connections and splices for the distribution system.

Stock Nos. 013124 and 012124 are H20 rated.



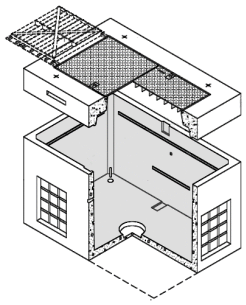
Stock Unit: EA

		Dimensions, Nominal			
Stock No.	**Description**	**Length (ft-in)**	**Width (ft-in)**	**Height (ft-in)**	**Door/Opening (in)**
013101	Base	4-8	4-8	6-6	–
013102	Cover, with vented hatch	4-8	4-8	0-6	36 x 36
013124	Assembly, with vented hatch	4-8	4-8	7-0	36 x 36
013688	Cover, with round access	4-8	4-8	0-6	42
013689	Assembly, with round access	4-8	4-8	7-0	42

Precast Concrete Vault Assemblies and Components, “575” 7203.38

Precast concrete vault assemblies and components with two H-20 galvanized non-slip covers

575 vaults are used in the construction of underground electric systems. This precast concrete structure may be used to house loadbreak junction boxes and to make service connections and splices for the distribution system. These vaults are H-20 rated and have two solid, non-slip, 36-in square hatches.



Stock Unit: EA

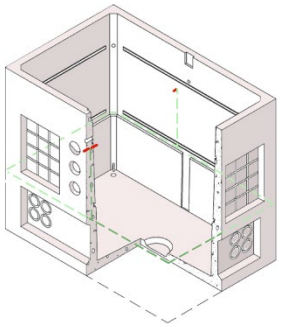
		Outside Dimensions, Nominal			Inside Dimensions, Nominal		
Stock No.	**Description**	**Length**	**Width**	**Height**	**Length**	**Width**	**Height**
014370	Base	7' 0"	4' 8"	4' 0"	6' 6"	4" 2"	3' 8"
014371	Cover, with solid hatch	7' 0"	4' 8"	1' 0"	6' 6"	4" 2"	–
014372	Assembly, base and cover	7' 0"	4' 8"	5' 0"	6' 6"	4" 2"	4' 8"

Precast Concrete Vault, “577” 7203.41

Precast concrete vault assemblies and components with galvanized non-slip covers.

577 vaults are used to construct underground electric systems. This precast concrete structure may be used to house medium-size transformers, load break junction boxes, and in making service connections and splices for the distribution system.

All covers and assemblies are H20 rated except for Stock No. 013151 which is H30 rated.



Stock Unit: EA

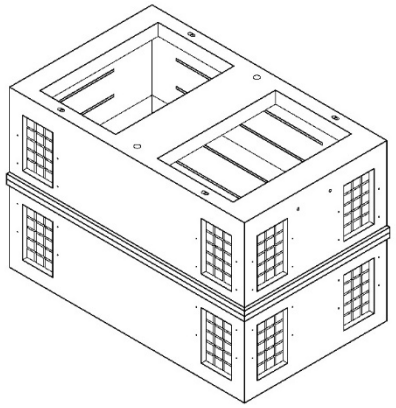
		Dimensions, Nominal			
Stock No.	**Description**	**Length (ft-in)**	**Width (ft-in)**	**Height (ft-in)**	**Door/Opening (in)**
013089	Base	7-0	4-8	6-0	–
013090	Removable divider wall	0-3	4-8	6-0	–
013091	Cover, with solid hatch	7-0	4-8	1-0	(2) 36 x 36, non-slip, solid
013092	Cover, with vented hatch	7-0	4-8	1-0	(1) 36 x 36, non-slip, solid
013151	Cover, with H30 hatch	7-6	5-2	1-0	(1) 36 x 36, grated vent (2) 34 x 37, solid
013125	Assembly	7-0	4-8	7-0	(2) 36 x 36, non-slip, solid
013126	Assembly, with divider wall	7-0	4-8	7-0	(1) 36 x 36, non-slip, solid
013127	Assembly, with divider wall	7-0	4-8	7-0	(1) 36 x 36, grated vent (2) 36 x 36, non-slip, solid

Precast Concrete Vault Assemblies and Components, “712” 7203.46

Precast concrete vault assemblies and components with galvanized non-slip covers.

712 vaults are intended for use in the construction of underground electric systems. The precast concrete structure may be used to house medium-sized transformers up to 300 kVA (3 -100 kVA), three-phase load break junction boxes, or service connections and splices for the distribution system.

The standard 712-vault assembly consists of the 712 base [A], a 712 top with two 78-inch by 50-inch block-outs [B1], various risers to bring access opening to grade, a cover with two 3- by 3-foot non-slip, solid hatches and a 42-inch entry access.



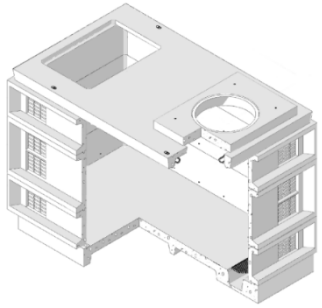
Stock Unit: EA

		Inside Dimensions, Nominal (ft–in)			Access	
Stock No.	**Description**	**Length**	**Width**	**Depth**	**Door/Opening**	**Loading**
013116	712 vault w/ hatch and round cover access	12-3	7-2	7-6	One 72 in x 36 in hatch and one 42-in round	H20
013117	712 vault w/ two round cover access	12-3	7-2	7-6	Two 42-in round	H20
013118	712 vault w/ hatch and round cover access, offset to left (Type 1)	12-3	7-2	7-6	One 72 in x 36 in hatch and one 42-in round, offset to left (Type 1)	H20
013119	712 vault w/ hatch and round cover access, offset to right (Type 2)	12-3	7-2	7-6	One 72 in x 36 in hatch and one 42-in round, offset to right (Type 2)	H20
013112	712 vault base	12-3	7-2	3-9	–	–
013113	712 top with two 78 in x 50 in blockouts	12-3	7-2	3-9	Two 72 in x 36 in hatches	H20
013114	712 top w/ 78 in x 50 in blockouts and 42-in round blockout, offset to left (Type 1)	12-3	7-2	3-9	One 72 in x 36 in hatch and one 42-in round, offset to left (Type 1)	H20
013115	712 top w/ 78 in x 50 in blockouts and 42-in round blockout, offset to right (Type 2)	12-3	7-2	3-9	One 72 in x 36 in hatch and one 42-in round, offset to right (Type 2)	H20
013395	712 top, with two 42-in round blockouts	12-3	7-2	3-9	Two 42-in round	H20

Precast Concrete Vault Assemblies and Components, “814” 7203.51

Precast concrete vault assemblies and components with galvanized non-slip covers.

814 vaults are intended for use in the construction of underground electric systems. This precast concrete structure may be used to house medium size transformers, load break junction boxes, and in making service connections and splices for the distribution system.



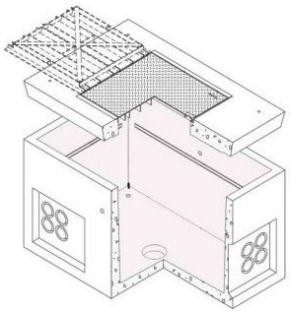
Stock Unit: EA

Stock No.	Description	Inside Dimensions, Nominal (ft–in)		Outside Height (ft–in)	Access Door Opening	Loading
013130	Base, standard vault	14–0	8–0	1–1	–	–
013131	Riser, mid-section – 30 in	14–0	8–0	2–6	–	–
013132	Riser, mid-section – 48 in	14–0	8–0	4–0	–	–
013133	Top, w/ two 76 in x 50 in blockouts	–	–	–	–	–
013134	Top, w/ 76 in x 50 in blockouts and 42-in round blockouts, offset to left (Type 1)	–	–	–	–	–
013135	Top, w/ 76 in x 50 in blockouts and 42-in round blockouts, offset to right	–	–	–	–	–
013136	Assembly, 8-ft high vault	14-0	8-0	8-0	1 Equipment, 1 Personnel	H20
013137	Assembly, 8-ft high vault, offset to left (Type 1)	14-0	8-0	8-0	1 Equipment, 1 Personnel	H20
013138	Assembly, 8-ft high vault, offset to right (Type 2)	14-0	8-0	8-0	1 Equipment, 1 Personnel	H20
013139	Assembly, 9-ft high vault	14-0	8-0	9-0	1 Equipment, 1 Personnel	H20
013140	Assembly, 9-ft high vault with two 42-in round accesses	14-0	8-0	9-0	2 Personnel	H20
013141	Assembly, 9-ft high vault, offset to left (Type 1)	14-0	8-0	9-0	1 Equipment, 1 Personnel	H20
013142	Assembly, 9-ft high vault, offset to right (Type 2)	14-0	8-0	9-0	1 Equipment, 1 Personnel	H20
013143	Assembly, 10-ft high vault	14-0	8-0	10-0	1 Equipment, 1 Personnel	H20
013144	Assembly, 10-ft high vault with two 42-in round accesses	14-0	8-0	10-0	2 Personnel	H20
013146	Assembly, 10-ft high vault, offset to right (Type 2)	14-0	8-0	10-0	1 Equipment, 1 Personnel	H20
013161	Assembly, 8-ft high vault with H30 door hatch and one 42-in round access	14-0	8-0	10-0	1 Equipment, 1 Personnel	H30
013162	Assembly, 8-ft high vault with H30 door hatch and one 42-in round access, offset to left (Type 1)	14-0	8-0	8-0	1 Equipment, 1 Personnel	H30
013163	Assembly, 8-ft high vault with H30 door hatch and one 42-in round entry access, offset to right (Type 2)	14-0	8-0	8-0	1 Equipment, 1 Personnel	H30
014518	Assembly, 8-ft high vault with two 42-in round entry accesses	14-0	8-0	8-0	2 Personnel	H20

Precast Concrete Vault Assembly and Components, “644” 7203.61

Precast concrete vault assembly and components with galvanized non-slip cover.

644 vaults are used in the construction of underground electric systems. This precast concrete structure may be used to house loadbreak junction boxes and to make service connections and splices for the distribution system. These vaults are H20 rated and have a solid, non-slip, 36-in square hatch.



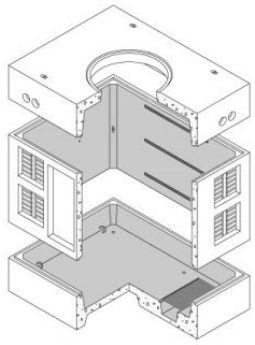
Stock Unit: EA

		Outside Dimensions, Nominal			Inside Dimensions, Nominal		
Stock No.	**Description**	**Length**	**Width**	**Height**	**Length**	**Width**	**Height**
013731	Base	6' 0"	4' 0"	3' 6"	5' 6"	3' 6"	3' 2"
013732	Cover, with solid hatch	6' 0"	4' 0"	0' 6"	5' 6"	3' 6"	–
013733	Assembly, base and cover	6' 0"	4' 0"	4' 0"	5' 6"	3' 6"	3' 2"

Precast Concrete Vault Assembly and Components, “687” 7203.66

Precast concrete vault assembly and components with galvanized non-slip cover.

687 vaults are used in the construction of underground electric systems. This precast concrete structure may be used to house medium-size transformers, loadbreak junction boxes, and to make service connections and splices for the distribution system. A 42-in round iron frame (Stock No. 012753) and cover (Stock Nos. 720226 or 720466) will be required with the 42-in blockout access top section.



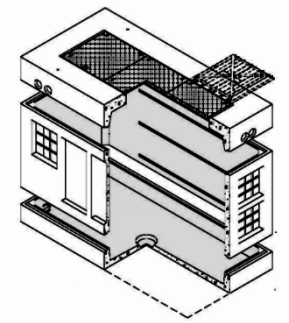
Stock Unit: EA

		Outside Dimensions, Nominal			Inside Dimensions, Nominal		
Stock No.	**Description**	**Length**	**Width**	**Height**	**Length**	**Width**	**Height**
013734	Base, standard 687	8' 8"	6' 8"	1' 10"	8' 0"	6' 0"	1' 0"
013735	Mid-section	8' 8"	6' 8"	4' 10"	8' 0"	6' 0"	4' 9"
013736	Cover, with round access	8' 8"	6' 8"	1' 10"	8' 0"	6' 0"	1' 3"
013737	Assembly (base, mid-section, and cover with round access)	8' 8"	6' 8"	8' 6"	8' 0"	6' 0"	7' 0"

Precast Concrete Vault Assembly and Components, “5106” 7203.71

Standard precast concrete 5106 vault assemblies consist of a base, a mid-section, and a cover with three H-20 non-slip hatches.

5106 vaults are used in the construction of underground electric systems. The vault may be used to house medium-size transformers, load break junction boxes, service connections, and splices for the distribution system.



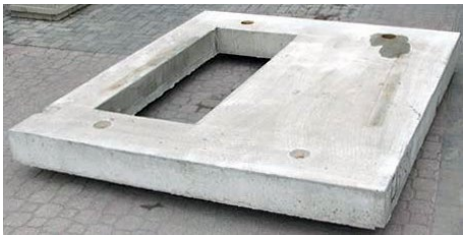
Stock Unit: EA

		Outside Dimensions, Nominal			Inside Dimensions, Nominal		
Stock No.	**Description**	**Length**	**Width**	**Height**	**Length**	**Width**	**Height**
013863	Base	11' 2"	5' 8"	1' 0"	10' 6"	5' 0"	0' 8"
013864	Mid-section	11' 2"	5' 8"	4' 10"	10' 6"	5' 0"	4' 9"
013865	Cover, with solid hatch	11' 2"	5' 8"	1' 4"	10' 6"	5' 0"	0' 8"
013866	Assembly (base, mid-section, and cover with hatches)	11' 2"	5' 8"	7' 2"	10' 6"	5' 0"	6' 1"

Precast Reinforced Concrete Transformer Pads 7203.76

Precast reinforced concrete transformer pad with blockouts.

Precast transformer pads are used as a platform for transformers or switchgear. Due to their size, transformer pads will not be stocked in SCL inventory. Engineers and the Civil Crew Chief are required to order and specify delivery of these items.



Stock Unit: EA

		Dimensions, Nominal (ft-in)			Dimensions, Nominal (in)
Stock No.	**Description**	**Length**	**Width**	**Height**	**Blockout (W x L)**
013721	Single-phase transformer pad	4-8	4-0	0-6	22 x 14
013723	Three-phase transformer pad (500–1500 kVA)	7-9	8-0	0-6	60 x 16
013724	Three-phase transformer pad (2000–2500 kVA)	10-0	8-0	0-8	72 x 24

Precast Reinforced Concrete Switchgear Pads 7203.78

Precast reinforced concrete switchgear pads are used as platforms for padmount switchgear.

The two-compartment switchgear pad assembly is used for S&C Electric type PMH 5.

The four-compartment switchgear pad assembly is used for S&C Electric type PMH 9, 10, 11, or 12.

Due to their size, risers and covers will not be stocked in SCL inventory. Engineers and the Civil Crew Chief must order and specify delivery of these items.

Stock Unit: EA

		Dimensions, Nominal		
Stock No.	**Description**	**Length**	**Width**	**Height**
014546	Two-compartment switchgear pad riser	5 ft-7 in	3 ft-9 in	2 ft-6 in
014547	Two-compartment switchgear pad cover with two 22.5" x 28" openings	5 ft-7 in	3 ft-9 in	0 ft-6 in
014548	Four-compartment switchgear pad riser	7ft-0 in	6 ft -6.5 in	2 ft-6 in
014549	Four-compartment switchgear pad cover with four 22.5" x 28" openings	7ft-0 in	6 ft -6.5 in	0 ft-6 in

Pulling Irons and Accessories 7203.89

Pulling irons are built into vault walls to act as permanent attachment points for pulling cable. Fabricated from 7/8-inch diameter, type 304 stainless steel. Minimum working strength rating of 10,000 lb with a safety factor of 2:1.

Void block outs are used when building pulling irons into cast-in-place and walk-in vault walls. Rubber.

Covers are used to cover pulling irons recessed into vault floors. Fiberglass.

The strength limitation of a pulling iron is primarily determined by how it is internally secured to the wall that it is built into.

Stock Unit: EA

Stock No.	**Description**
720235	Pulling Iron

720236	In-floor cover

013525	Void blockouts

Cover, Tamper Proof, for Type 2 Handholes 7204.11

Tamper-proof handhole covers add extra security to the handhole by making them very difficult to remove without a specialized tool.

This product is considered tamper-proof because the sale and distribution of the removal tool is completely controlled by the manufacturer.

This product is compatible with Type 2 handholes per SCL 7203.10.

Stock Unit: EA

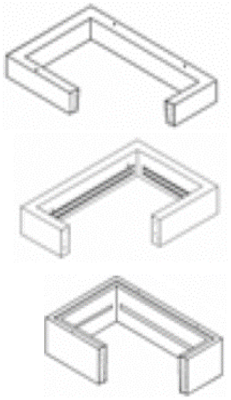
Stock No.	Description
014842	Cover, tamper-proof, Type 2 handhole
014843	Tool for tamper-proof cover, Type 2 handhole

Precast Concrete Vault, Rectangular Risers 7204.15

Precast concrete risers are used to bring the underground vault access to grade.

Stock Unit: EA

Stock No.	Description
013105	5-ft x 7-ft x 6-in riser without galvanized “C” channel
013106	5-ft x 7-ft x 18-in riser with galvanized “C” channels
013362	5-ft x 7-ft x 24-in riser with galvanized “C” channels

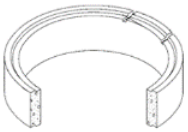


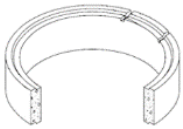
Precast Concrete Vault, Round Risers 7204.15

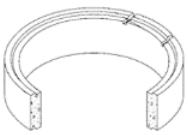
Precast concrete risers are used to bring the underground vault access to grade.

Stock Unit: EA

Stock No.	Description
013107	42-in diameter x 4-in high round riser
013108	42-in diameter x 6-in high round riser
013109	42-in diameter x 12-in high round riser





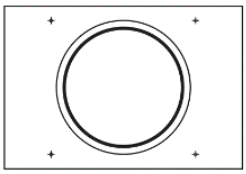


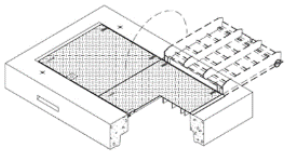
Precast Concrete Vault, Covers 7204.15

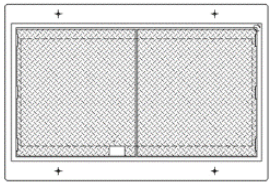
Precast concrete vault covers with galvanized non-slip hatches and risers are used to construct electric vaults.

Stock Unit: EA

Stock No.	Description
013110	5-ft x 7-ft cover with one 42-in round access opening
013111	5-ft x 7-ft adjustable cover with two, H-20, 3-ft x 3-ft solid hatches
013153	5-ft x 7-ft cover with two H-30 solid hatches







Vault Grating, Hatch, Sidewalk-Type 7204.3

Gary type, 5/8 in x 5/8 in square nominal daylight opening, steel.

Stock Unit: EA

Stock No.: 720550

Round Vault Covers 7204.70

42-inch round, ductile cast iron.

Frame and cover assemblies are used to construct the means for entering and exiting underground vaults located in pedestrian sidewalks, side streets, or arterials and highways. Refer to standard for more information.

Stock Unit: EA

Stock No.	Description	Daylight Opening, nominal	Loading	Used With Frame	Notes
720226	Vented cover, cast iron	42 dia.	H-20	720461 or 012753	44-1/4″ OD of cover
720466	Solid cover, cast iron	42 dia.	H-20	720461 or 012753	44-1/4″ OD of cover

Round Vault Frames 7204.70

42-inch round, cast iron, gray.

Frame and cover assemblies are used to construct the means for entering and exiting underground vaults located in pedestrian sidewalks, side streets, or arterials and highways. Refer to standard for more information.

Stock Unit: EA

Stock No.	Daylight Opening, in	Lugs	Loading	Use with Cover or Grating
720461	42-1/2 dia.	4	H-20	All 42″ covers
012753	42-3/4 dia.	8	H-25	All 42″ covers

Sump Pump Grates 7204.79

Sump pump grates are installed in vaults with a sump pump basin. Steel, hot-dip galvanized.

Stock Unit: EA

Stock No.	Size (in)
720228	15-1/4 x 21-5/8 x 1

Cable Cleat and Liner 7206.06

Marine grade, nonmagnetic 316L stainless steel cleat with low smoke and fume, zero halogen polymer liner. 3/8-inch mounting bolts not included.

Cable cleats (with liners) are used to cushion electric power cables from magnetic forces arising during fault currents. For vertical support of heavy cable, use weave-style grips. Refer to manufacturer's website (www.kvastrategies.com) for recommended cleat spacing and ratings for withstanding short circuits

Stock Unit: EA

Stock No.	Description
013428	Cleat
013429	Cleat liner for 15 kV, 1000 kcmil, 3-1/C cable (Stock No. 623670)

Cable Support Assemblies with a Thermoplastic Insulator 7206.07

Cable support assemblies with a thermoplastic insulator are used to fasten heavy primary or secondary cable to support brackets.

For a firm grip, cable diameter should be equal to or slightly greater than the minimum inside diameter of the cushion. In some situations, shimming with tape may be required. If the diameter of the cable is greater than 1/4 in over the minimum inside diameter of the cushion, use the next greater cushion size.

Product details:

- Split thermoplastic cushion
- Electro-galvanized or stainless steel clamp, bolt, split-ring lock nut, and hex nut

Stock Unit: EA

Stock No.	Mfr. Box Label (in)	Actual Inside Cushion Diameter (in)	Typical Cable Applications
011961	1-1/8	1.06	28 kV, 1/0, 2/C, bare
014692	1-1/4	1.18	28kV, 1/0, 2/C, jacketed
014425	1-3/8	1.26	28 kV, 1/0, 2/C, jacketed
011962	1-1/2	1.44	28 kV, 350 kcmil, 1/C 28 kV, 1/0, 2/C
011963	1-3/4	1.63	28 kV, 500 kcmil, 1/C
011964	2	1.88	28 kV, 750 kcmil, 1/C 15 kV, 1000 kcmil, 3–1/C
012501	2-1/8	2.00	28 kV, 1000 kcmil, 1/C 15 kV, #1 AWG, 3/C
011965	2-1/4	2.13	15 kV, 3/0 AWG, 3/C
011966	2-5/8	2.50	28 kV, #1 AWG, 5/C 15 kV, 350 kcmil, 3/C

Adapter Bracket, 4-Inch 7206.09

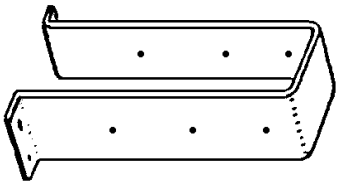
Four-inch long piece of galvanized 1-5/8″ x 1-5/8″ strut-type channel. Fabricated by Seattle City Light per SCL 7206.09.

Used in conjunction with thermoplastic-type cable supports, Stock Nos. 011961 through 011966, to provide a means to fasten heavy primary or secondary cable to support brackets.

Stock Unit: EA

Stock No.: 012465

Adapter, Splice Support 7206.11

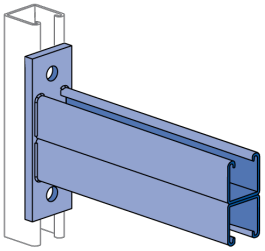


For supporting Elastimold splices and taps.

Stock Unit: EA

Stock No.: 720627

Bracket, Cable Support 7206.14



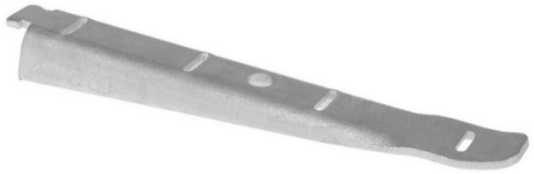
Used with cable support assemblies to rack and train cable.

Brackets are hot-dip galvanized steel.

Stock Unit: EA

Stock No.: 678005

Arm, Cable Rack, Steel, Hot-Dip Galvanized 7206.23



Cable rack arms are used to support cable in underground vaults when used in conjunction with T-slotted underground cable racks.

For epoxy-finish cable rack arms, see SCL 7206.25.

For underground cable racks, see SCL 7216.7.

Product details:

- Fabricated from hot-rolled carbon steel strip or structural steel
- Hot-dip galvanized
- Smooth and free of burrs to protect cable from damage.
- Interlock and compatible with cable racks specified in SCL 7216.7.

Stock Unit: EA

Stock No.	Length (in)
720625	4
720626	7-1/2
720629	10
720631	14

Arm, Cable Rack, Steel 7206.25

Used to support cable in underground vaults when used in conjunction with the cable rack.

Product details:

- Manufactured from galvanized steel channel
- Epoxy coated
- Fits standard cable racks

Stock Unit: EA

Stock No.	Length (in), Nominal
720619	4
720620	7-1/2
720621	10
720623	14

Grip, Cable Support, Double-Eye, Split-Mesh, Rod-Closing 7206.35

Tin-coated bronze. Used to support cable when the cable end is not available.

Stock Unit: EA

Stock No.	Cable Diameter Range (in)	Approximate Breaking Strength (lb)	Working Load (lb)	Typical SCL Cable Applications
763543	1.25 – 1.49	1610	161	
763545	1.75 – 1.99	2150	215	28 kV 500 & 750 kcmil 1/C
763546	2.00 – 2.49	3260	326	28 kV 1000 kcmil 1/C
763547	2.50 – 2.99	3260	326	
763548	3.00 – 3.49	5750	575	15 kV 500 kcmil 3-1/C
763549	3.50 – 3.99	5750	575	15 kV 1000 kcmil 3-1/C

Grip, Cable Support, Universal-Eye, Split-Mesh, Rod-Closing — 7206.37

Tin-coated bronze. Used to support cable when the cable end is not available.

Stock Unit: EA

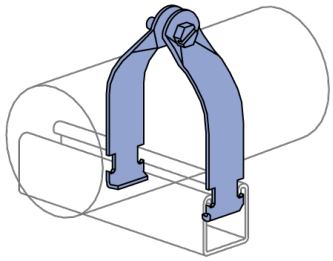
Stock No.	Cable Diameter Range (in)	Approximate Breaking Strength (lb)	Working Load (lb)	Typical SCL Cable Applications
763550	0.75 – 0.99	1020	102	
763551	1.00 – 1.24	1610	161	
763554	1.75 – 1.99	2150	215	28 kV 500 & 750 kcmil 1/C
763555	2.00 – 2.49	3260	326	28 kV 1000 kcmil 1/C
763556	2.50 – 2.99	3260	326	
763560	3.50 – 3.99	5040	504	15 kV 1000 kcmil 3-1/C

Clamp, Strut, Pipe/Conduit, Light-Duty — 7206.45

Strut clamps are used to secure pipe or conduit to strut.

Light-duty strut clamps are for use with electrical metallic tubing (EMT).

Strut clamps are intended for use with strut framing systems components specified in SCL 7216.75.



Stock Unit: EA

Stock No.	Conduit Size (in)	Maximum Allowable Load (lb)
689754	1/2	400
689757	3/4	400
689759	1	400

Clamp, Strut, Pipe/Conduit, Heavy-Duty — 7206.47

Strut clamps are used to secure pipe or conduit to strut.

Strut clamps are intended for use with strut framing system components specified in SCL 7216.75.

Strut clamps are manufactured from steel and electrogalvanized.

Strut clamps from 1 inch through 4 inches have a one-piece, break-apart, construction with captive hardware.

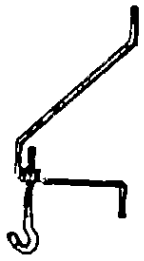
5-inch strut clamps have a traditional two-piece design with non-captive hardware.

Stock Unit: EA

Stock No.	Conduit Size (in)	Maximum Allowable Load (lb)
689760	1	600
689761	1-1/4	600
689762	1-1/2	800
689764	2	800
689766	2-1/2	800
689768	3	800
689770	3-1/2	1000
689772	4	1000
689774	5	1000

Bracket, Cable Support with J-Bolt 7206.5

Made in SCL Shops. Stainless steel with galvanized bracket and J-bolts.
Used for pole mounting cable using cable grips.

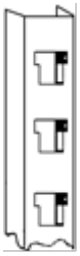


Stock Unit: EA

Stock No.: 720630

Rack, Underground Cable 7216.7

For underground vaults.



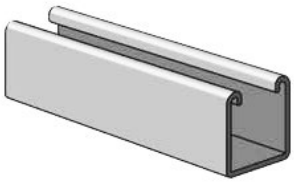
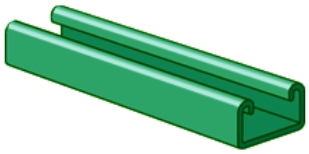
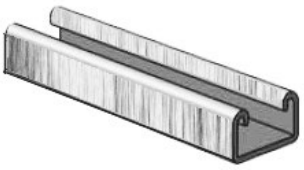
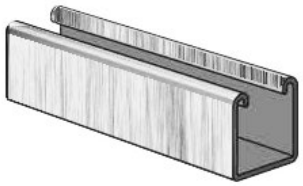
Stock Unit: EA

Stock No.	No. of Holes	Length (in)
721662 E	8	15
721664 E	14	24
721666 E	18	30

Strut 7216.75

Systems of this type are sometimes referred to as Unistrut; however, Unistrut is simply the name of the manufacturer that popularized the system. Strut is formed of low-carbon strip steel. P4000 series strut is embedded in the walls of vaults smaller than 712. P1000 series strut is embedded in the walls of vaults 712 and larger. P4000 series strut is not available from the warehouse as a separate item.

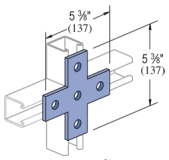
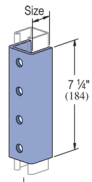
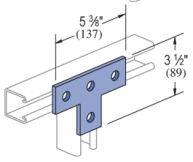
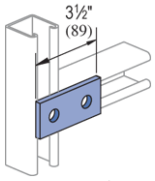
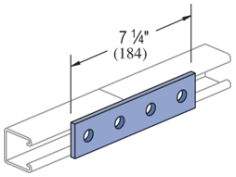
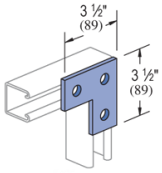
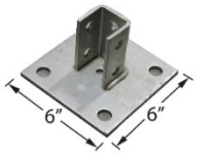
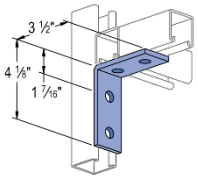
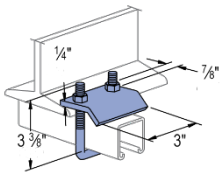
Stock Unit: FT

Stock No.	Width x Height (in)	Gauge	Holes/ Slots	Base Material	Finish	Unistrut Series	
723502	1-5/8 x 1-5/8	12	yes	aluminum	none	P1000	
723505	13/16 x 13/32	19	no	steel	coated	P7000	
723506	1-5/8 x 7/8	12	yes	steel	hot dip galvanized	P3300	
723510	1-5/8 x 1 5/8	12	yes	steel	hot dip galvanized	P1000	

Fittings for Strut 7216.75

Punch-press made from hot rolled, pickled and oiled steel plates, strip, or coil. Designed for use with 1-5/8 in x 1-5/8 in strut.

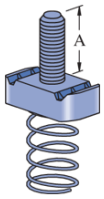
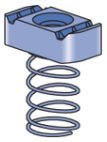
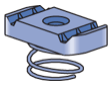
Stock Unit: FT

Stock No.	Description	Finish	
720645	Flat plate, five-hole, cross	Electro-galvanized	
720632	“U” shape, four-hole, connector	Electro-galvanized	
720633	Flat plate, four-hole, tee	Electro-galvanized	
720634	Flat plate, two-hole, strap	Electro-galvanized	
720635	Flat plate, four-hole, strap	Electro-galvanized	
010415	Flat plate, three-hole, corner	Electro-galvanized	
013659	Post base, square	Hot dip galvanized	
686466	Bracket, four-hole	Hot dip galvanized	
680806	Clamp, beam, with 3/8" hex nuts and U-bolt	Electro-galvanized	

Nuts for Strut 7216.75

For use with the Unistrut Channel metal framing system. Nuts are made from steel bars, and case-hardened after manufacture. Finish is electro-galvanized.

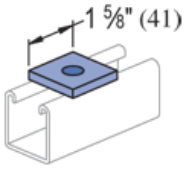
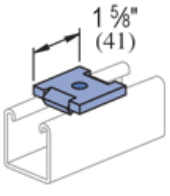
Stock Unit: FT

Stock No.	Description	Unistrut Channel Series	
723610	Channel stud nut with long spring, 3/8-16 thread, 2-1/8 in stud	P1000	
723611	Channel stud nut with long spring, 1/2-13 thread, 2-1/8 in stud		
723606	Channel nut with long spring, 1/2-13 thread	P1000	
723609	Channel nut with long spring, 3/8-16 thread		
723613	Channel nut with long spring, 5/8-11 thread		
723603	Channel nut with short spring, 8-32 thread	P3300/P4000	
723604	Channel nut with short spring, 10-24 thread		
723605	Channel nut with short spring, 1/4-20 thread		
723608	Channel nut with short spring, 3/8-16 thread		
723607	Channel nut with short spring, 1/2-13 thread		
723615	Channel nut with short spring, 5/8-11 thread		
723620	Channel nut with very short spring, 8-32 thread	P7000	
723622	Channel nut with very short spring, 10-24 thread		
723624	Channel nut with very short spring, 14-20 thread		

Washers for Strut 7216.75

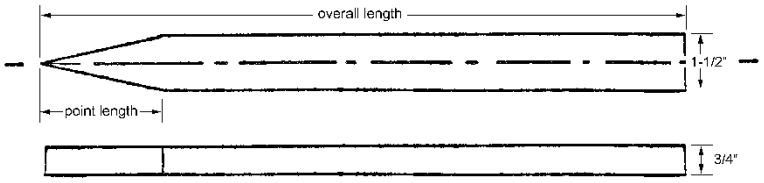
Punch-press made from hot rolled, pickled and oiled steel plates, strip, or coil. Designed for use with 1-5/8 in wide strut.

Stock Unit: EA

Stock No.	Description		
788190	Flat washer, 1-5/8 in square, 9/16 in hole	hot dip galvanized	
788192	Flat washer, 1-5/8 in square, 11/16 in hole	hot dip galvanized	
720658	Flat washer, 1-5/8 in square, with tabs, 9/16 in hole	electro-galvanized	
720659	Flat washer, 1-5/8 in square, with tabs, 11/16 in hole	electro-galvanized	

Survey Stake 7217.80

Western Redcedar or Douglas-fir. Five-inch point length.



Stock Unit: EA

	Size (in)		
Stock No.	**Nominal**	**Actual**	**Overall Length**
721785	1 x 2	3/4 x 1-1/2	18
721782	1 x 2	3/4 x 1-1/2	24

Hook, Coat and Hat 7226.55

Brass, satin nickel finish, 3-in projection.
Used to hang clothing, equipment, and other materials.

Stock Unit: EA
Stock No.: 722752

Hasp 7226.65

Used to secure a wide variety of doors, cabinets, boxes, trunks, etc.
Zinc-plated steel, 4-1/2 inches long.

Stock Unit: EA
Stock No.: 722648

Survey and Construction Marking Spray Paint 7240.80

For use on soil, grass, gravel, concrete, asphalt, concrete, wood, and metal for marking underground facilities, warning of construction site hazards, surveying, and other inverted spray uses.

Solvent-based Stock Number 013005 should be used only in situations where long-lasting durability is required.

Asphalt black, Stock Number 724782, is used to spray over other colors.

Stock Unit: CN

Stock No.	Color	Base
724780	White	Water
724786	Red	Water
724779	Fluorescent Orange	Water
724785	Blue	Water
724787	Yellow	Water
013005	Safety Red	Solvent
724782	Black	Solvent

Marking Spray Paint with Reusable Spraying Device 7240.82

Product details:

- Water-based, air-drying paint
- Hexane free
- Formulated to dry within 15 minutes under normal conditions
- Inverted spray application with reusable spraying device
- Suitable for use on soil, grass, gravel, asphalt, concrete, wood, and metal for marking underground facilities, warning of construction site hazards, surveying, and other inverted spray uses. The reusable spraying device must be used with this product.
- Empty cans may be disposed of as waste or recycled

Stock Unit: 014582: CN; 014583: EA

Stock No.	Description
014582	APWA Brilliant Red, 22 oz.
014583	Spraying device

Marking Flags 7240.85

Red, 4 in x 5 in flag on 18-in-long steel wire staff, with NO SCL POWER printed in black letters.

Flags are packaged 100 per bundle.

Used by locators to mark areas where no Seattle City Light power is present. A common application is in the fronts of homes that are for sale and where traditional marking paint would be considered unsightly.

Stock Unit: BN

Stock No.: 014387

Spray Paint, Gloss 7243.55

Suitable for use on wood, metal, wrought iron, and paper. Clean up with lacquer thinner.

Product details:

- Aerosol spray
- Formulated to dry within 15 minutes under normal conditions
- Gloss finish

Stock Unit: CN

Stock No.	Color
724358	Gloss Black
724512	John Deere Yellow
724513	Safety Red
724514	Glossy White

Plywood and Dimensional Lumber 7250.25

Dimensional lumber is Douglas fir. Typically used for framing.

Plywood, Stock No. 720080, is used for underlayment. Shoring grade, with square edges.

Plywood, Stock No. 720726, is sanded on two sides, grade B-B-C, with mill-oiled edge sealed for external use.

Stock Unit: EA

Stock No.	Description
720726	Plywood, 3/4" x 4' x 8', Grade B-B-C
721216	2" x 12" x 16'
721228	3" x 12" x 16'
721234	4" x 4" x 16'
721236	4" x 6" x 16'
721238	4" x 12" x 12'
720080	Plywood, 1-1/8" x 4' x 8', underlayment

Mortar Mix 7251.15

Used as a binding material when building with brick, block and stone.

Product details:

- 60-lb bag
- Pre-blended mix of fine aggregate and cementitious materials
- Minimum compressive strength of 725 psi after 28 days

Stock Unit: SK

Stock No.: 720119

Jet Plug 7251.15

Used for stopping water leaks, plugging breaches, and repairing concrete. Normal safety wear used to handle conventional cement-based products, such as rubber gloves, dust masks, and safety glasses, should be worn.

Comes in a 10-lb pail.

Stock Unit: CN

Stock No.: 726245

Twine 7251.35

Used for bundling, packaging, wrapping, and heavy-duty tying.

Stock Unit: RL

Stock No.	Description	Tensile Strength (lb)
727342	Poly-cotton, 24 ply, 2-1/2-lb cone	60
727366	Sisal, 2 ply, 10-lb cone	290

Cord, Lacing 7251.35

Waxed linen. Used for lacing cables together.

Stock Unit: RL

Stock No.	Size
727022	6
727023	8
727024	9

Cord, Sash 7251.35

Product details:

- 750-lb tensile strength
- White cotton
- Size 8
- 100 ft

Stock Unit: FT

Stock No.: 727034

Kraft Paper 7251.45

Used to wrap items and as a disposable protective layering.

Product details:

- 40 lb weight
- 30-in wide
- Unbleached brown paper

Stock Unit: RL

Stock No.: 727228

Tarp 7251.51

Used as a cover or liner to protect the material or the equipment placed under or upon them.

Product details:

- PVC coated polyester
- Yellow
- 18 oz./yd2 of weight
- UV resistant
- Constructed with #4 size grommets located at 3-ft intervals along the perimeter

Stock Unit: EA

Stock No.	Size (ft)
765830	8 x 10
765835	10.5 x 12

Polyethylene Sheeting, Clear 7251.55

Used as a multi-purpose cover or vapor barrier.

Stock Unit: RL

Stock No.	Thickness, mils	Width (ft)	Length (ft)
726839	6	20	100
726840	6	40	100

Paper Bags, Heavy Duty 7268.14

For general use.

Product details:

- Fabricated from virgin natural kraft paper
- Biodegradable Products Institute (BPI)-certified compostable
- Humidity resistant

Stock Unit: EA

Stock No.	Bag Size	Bag Dimensions (L x W x H) (in), nominal
726810	2#	4-1/8 x 2-1/2 x 7-7/8
726818	6#	6 x 3-5/8 x 11
726828	16#	7-3/4 x 4-7/8 x 16
726832	25# SH	8-1/4 x 6-1/8 x 15-7/8
726834	1/6 BBL	12 x 7 x 17

Swivel Hook Assembly, 1.63 Metric Ton (WLL), and Replacement Parts 7272.16

Swivel hook assemblies are intended to be attached to rope soft eyes.

Swivel hook assemblies extend the life of rope soft eyes by keeping the rope positioned correctly on spool, providing a wider bearing surface resulting in an increased area for load distribution, and reducing abrasion.

Swivel hook spools (also known as thimbles) are designed for synthetic rope sizes 9/16 to 5/8 inch.

Stock Unit: FT

Stock No.	Description
014791	Swivel hook assembly (includes shield and spool)
014792	Replacement nylon shield
014793	Replacement nylon spool
014794	Replacement latch kit

Rope, Three-Strand, Polypropylene, Yellow-Black 7272.19

Yellow-black, polypropylene rope is for general application.

Polypropylene rope is a strong, lightweight monofilament rope that floats and has excellent resistance to oil, marine growth, and most common chemicals. Designed not to rot, this rope has good abrasion and UV resistance.

Stock Unit: FT

Stock No.	Diameter (in)
727230	1/4

Rope, Three-Strand, Poly Dacron, White with Tracers 7272.23

White, poly Dacron rope is for general application.

Poly Dacron rope offers good abrasion resistance, high strength, and will hover just under the water.

Stock Unit: FT

Stock No.	Diameter (in)
727232	7/16
727233	1/2
727234	3/4
727239	1

Rope, 12-Strand, Class 1, Green 7272.27

Green, 12-strand, Class 1 rope is for hand lines and general application.

12-strand, Class 1 rope offers high strength with low stretch, outstanding abrasion resistance, and easy splicing. Product is coated to enhance wear life and snag resistance.

This rope is commonly referred to as Tenex; however, other manufacturers produce similar products under different brand names.

Stock Unit: FT

Stock No.	Diameter (in)
014782	1/4
014783	3/8
014784	7/16

Rope, 12-Strand, Class 1, Red/Black 7272.31

Red/black, Class 1, 12-strand rope is for use on aerial trucks, jibs, winches, and material handlers.

12-strand, Class 1 rope offers high strength with low stretch, outstanding abrasion resistance, and easy splicing. Product is coated to enhance wear life and snag resistance.

Two-color rope provides visual twist indication.

The improper use of rope may be dangerous. Rope will fail if worn-out, overloaded, misused, damaged, or improperly maintained or abused. Rope failure may cause death, serious injury, or property damage.

This rope should be secured to the drum with a minimum of four wraps.

Stock Unit: FT

Stock No.	Diameter (in)
014786	3/8
014785	1/2

Rope, 12-Strand, Class 1, Clear Coated (White)/Black 7272.35

Clear coated (white)/black, Class 1, 12-strand rope is for use on digger derricks and pressure diggers.

12-strand, Class 1 rope offers high strength with low stretch, outstanding abrasion resistance, and easy splicing. Product is coated to enhance wear life and snag resistance.

Two-color rope provides visual twist indication.

The improper use of rope may be dangerous. Rope will fail if worn-out, overloaded, misused, damaged, or improperly maintained or abused. Rope failure may cause death, serious injury, or property damage.

This rope should be secured to the drum with a minimum of four wraps.

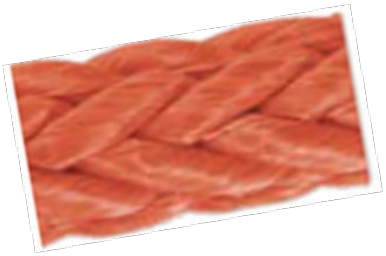
Stock Unit: FT

Stock No.	Diameter (in)
014788	5/8
014789	1-1/8

Rope, 12-Strand, Class 1, Orange 7272.39

12-strand, Class 1 rope offers high strength with low stretch, outstanding abrasion resistance, and easy splicing. Product is coated to enhance wear life and snag resistance.

This rope is commonly referred to as Tenex, however, other manufacturers can produce a similar product.



Stock Unit: FT

Stock No.	Diameter (in)
014790	5/8

Steel Alloy Chain, Grade 100 7273.10

Grade 100, heat-treated, alloy steel chain.

Steel alloy chain is used for applications such as slings and lifting assemblies. It is not appropriate for continuous motion applications.

Stock No. 726934 must be cut by the Steel Shop. Please notify the warehouse at least two hours prior.

Stock Unit: FT

Stock No.	Size (in), Nominal	Working Load Limit (lb)
726918	9/32	4300
726934	3/8	8800

Chain, Weldless Sash 7273.20

Used for securing items and for general utility purposes.

Product details:

- Manufactured from low carbon steel
- Solid bronze finish
- Trade size 35
- 20 links per ft
- Working load limit of 100 lb

Stock Unit: FT

Stock No.: 726992

Chain, Passing Link 7273.25

Passing link chain is used for securing items and for general utility purposes.

Passing link chain has wide links which permit links to pass through one another freely so the chain will not kink or knot.

Product details:

- Manufactured from low carbon steel
- Zinc plated
- Trade size 2/0
- 13.8 links per ft
- Working load limit of 450 lb

Stock Unit: FT

Stock No.: 726902

Vibration Damper Pad 7276.85

Pad dimensions: 1" x 36" x 36".

Vibration dampers are also referred to as elastomeric (able to retain its original shape when a load is removed), pad-type isolators.

Vibration dampers provide excellent high frequency sound attenuation when used directly under HVAC, power generation and electrical equipment. The recommended loading is 5 – 60 psi.

Stock Unit: EA

Stock No.: 727716

Gasket Material 7276.9

Cork and synthetic rubber (Buna-N) composition or synthetic nitrile rubber (Buna-N) types.

Stock Unit: SH or RL (see description)

Stock No.	Description	Type	Thickness (in)
727606	36" x 36" sheet	Cork and synthetic nitrile rubber (Buna-N) composition	1/8
727687	36" x 36" sheet	"	3/16
727696	36" x 36" sheet	"	3/8
727714	40" wide roll	"	1/4
727706	36" x 36" sheet or 185-lb roll	Synthetic nitrile rubber (Buna-N)	1/16
727708	"	"	1/8
727710	"	"	3/16
727712	"	"	1/4

Fluorescent Lamp 7303.01

Medium, bi-pin, aluminum-base.
Lamp has no restriction on operating position.

Stock Unit: EA

Stock No.	Size	Watts	Color	Length (in)
730332	T12	34	Spec 41	48
730349	T12	34	Cool white	48
730344	T12	75	Spec 41	96
013554	T8	32	Cool white	48

Service Entrance Conduit Cap 7314.15

PVC, threadless; replacement for aluminum entrance caps.

Stock Unit: EA

Stock No.	Trade Size (in)
013570	1/2
013571	3/4
013572	1
013573	1-1/4
013574	1-1/2
013575	2
013576	2-1/2
013577	3
013578	3-1/2
013579	4

Service Entrance Cap, Aluminum 7314.25

Aluminum service entrance caps are used as a weatherproof service drop entrance point where overhead power cable enters a building.

Service entrance caps are designed to accommodate two 3-#2 AWG oval service entrance cables.

Product details:

- Zinc die-cast aluminum construction
- Ball burnished, mirror-smooth finish
- Accommodate two 3-#2 AWG oval service entrance cables
- Have two holes 9/16 inches in diameter

Stock Unit: EA

Stock No.: 731439

Enclosure, Screw Cover, Metallic 7326.15

For use as electrical junction boxes, terminal wiring boxes, and instrument housings. Boxes provide protection from dust, dirt, oil, and water.

Product details:

- NEMA Type 1
- ANSI 61 gray polyester powder paint or acrylic electrocoat finish inside and out
- Provisions for grounding
- With or without knockouts
- Hex head plated steel cover screws
- Keyhole screw slots in the cover
- Mounting holes on back of the box

Stock Unit: EA

Stock No.	Size (in)	Knockouts?
686580	6 x 6 x 4	YES
010317	10 x 10 x 4	NO

Enclosure, Hinge Cover, Metallic 7326.15

For use as electrical junction boxes, terminal wiring boxes, and instrument housings. Hinged doors provide convenient access. Boxes provide protection from dust, dirt, oil, and water.

Product details:

- NEMA types 12 and 13
- Continuous hinge
- ANSI 61 gray polyester powder paint or acrylic electrocoat finish inside and out
- Provisions for grounding
- No holes or knockouts
- External screw clamps
- External wall-mounting brackets
- Oil-resistant gasket

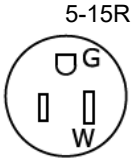
Stock Unit: EA

Stock No.	Size (in)
012093	4 x 4 x 3
012094	6 x 6 x 4
012095	8 x 8 x 4

Receptacles (Outlets) 7330.55

NEMA receptacles, 125 V, UL Listed.

Stock Unit: EA

Stock No.	Description	NEMA Configuration	
733041	125 V, 15 A, 2-pole, 3-wire, grounding, duplex, wired w/round metal cover, brown	5-15R	
733042	125 V, 20 A, 2-pole, 3-wire, grounding, ivory	5-20R	
733054	2-pole, 3-wire, grounding, duplex, brown	5-15R	
733060	125 V, 15 A, 2-pole, 3-wire, grounding, duplex, ivory	5-15R	
569220	125 V, 20 A, 2-pole, 3-wire, GFCI, duplex, temper-resistant, weather resistant, w/ 20 A feedthrough, matching wallplate	5-20R	
733061	125 V, 15 A, 2-pole, 3-wire, grounding, duplex, w/20 A feedthrough, brown, with matching wallplate	5-15R	
733141	125 V, 20 A, 2-pole, 3-wire, grounding, water-tight, connector	5-20R	
733144	125 V, 15 A, 2-pole, 3-wire, grounding, connector	5-15R 	

Fitting, Flexible Cord and Cable, Liquidtight 7331.50

Liquidtight flexible cord and cable fittings are used to connect flexible cord and cable to a box or enclosure. The neoprene bushings supplied with the fitting forms a watertight seal for the cord and provides secure pull-out protection for cord, ensuring a secure connection.

Product details:

- NEMA 3R watertight seal for the cord or unarmored round cables
- Steel with zinc-electroplate material
- Chromate finish coating
- Neoprene bushing

1/2-inch fittings are provided with sealing gasket and locknut.

Stock Unit: EA

Stock No.	Trade Size (in)	Cable Range Dia. (in)
010692	3/4	0.250 – 0.375
012522	1/2	0.125 – 0.250
012523	1/2	0.250 – 0.375
012524	1/2	0.375 – 0.500

Plugs 7331.59

NEMA-compliant plugs.

Stock Unit: EA

Stock No.	Description
733125	▪ 125 V, 15 A ▪ 2-pole, 2-wire ▪ Straight blade, polarized, ▪ Non-grounding
733137	▪ 125 V, 15 A ▪ 2-pole, 3-wire ▪ Grounding ▪ NEMA 5-15P ▪ Corrosion-resistant nylon

Lamp Holders 7331.59

NEMA-compliant lamp holders.

Stock Unit: EA

Stock No.	Description
733099	▪ 600 V, 15 A, 300 W, weatherproof, with 4-1/2 inch #14 pigtails
733611	▪ 125 V, 100 W, with guard ▪ Grounded outlet ▪ On 25 ft cord

Extension Cords 7331.59

NEMA-compliant extension cords.

Stock Unit: EA

Stock No.	Description
761750	UL type SOW, #14-3, waterproof, 25 ft

761755	Extension cord, #14-3, waterproof, 50 ft

761770	Extension cord, #14-3, with GFIC,18 in

761760	Extension cord, UL type SJEOW, #12-3, with tri-source plug and GFIC, 25 ft

761765	Extension cord, UL type SJEOW, #12-3, with tri-source plug and GFIC, 50 ft

Connector, Two-Screw, Zinc, Die Cast 7331.60

Connectors are used for securing nonmetallic sheathed cable or flexible cord to a box or an enclosure.

Connectors are designed for use indoors or in dry locations only.

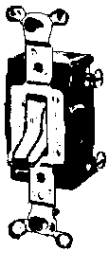
Product details:

- Zinc die cast body
- Ball burnished, mirror-smooth finish
- Steel, zinc electroplate clamp
- Steel, zinc electroplate screws
- Furnished with locknut

Stock Unit: EA

Stock No.	Trade Size (in)	K.O. Size (in)
731001	3/8	1/2

Toggle Switch, Flush, 120-277V AC Only 7333.0



Screw terminals, back and side wired. Silver alloy contacts, color coded.

Stock Unit: EA

Stock No.	Type	Amps	Color
733376	1 pole GLO	15	Ivory
733377	2 pole	15	Brown
733378	3 way	15	Brown
733379	3 way GLO	15	Ivory
733380	1 pole	20	Brown
733381	2 pole	20	Ivory
733382	2 pole	30	Brown
733386	1 pole	15	Ivory
733388	3 way	15	Ivory
733391	1 pole	20	Ivory
733392	3 way	20	Ivory

Lampholders, Assorted 7333.25

Lampholders are fixtures that hold bulbs and provide a means to connect electrical power

Stock Unit: EA

Stock No.	Description	
733082	250 V, 660 W, for 4-in outlet box, with pull chain, one-piece, medium socket, white color, porcelain, two terminal screws	
733083	125 V, 6600 W, for 4-in outlet box, with pull chain, and with 15 A grounding NEMA 5-15R outlet, one-piece, medium socket, white color, porcelain, two terminal screws	
733115	250 V, 660 W, for 4-in outlet box, keyless, one-piece, medium socket, white color, porcelain, four terminal screws	
733116	600 V, 600 W, for 4-in outlet box, keyless, one-piece, medium socket, white color, plastic, four terminal screws	
733084	250 V, 660 W, ring-type, two-piece, surface mount, medium socket, white color,unglazed, porcelain	
733090	250 V, 660 W, two-piece, surface mount low, white color, glazed, porcelain	
733120	250 V, 660 W, Mogul to medium socket reducer, one-piece, white or ivory color, glazed, porcelain	

Buzzer 7334.13

Used in Seattle City Light substations as local, audible alarms for entry doors. Also used by Network Field Operations to construct continuity testers for ringing out (checking phasing) in long cable pulls.

May be operated using AC power supplied by transformer, Stock No. 733777, or from DC power.

Product details:

- Metal, snap-on style, fully enclosed, non-adjustable, with enclosed binding posts
- Dimensions: 2-1/2" (W) x 3" (L) x 1" (H)
- Operating voltage: 6–8 Vac, 3-6 Vdc
- Maximum current (A): 1.2
- DC coil resistance (Ohms): 1.0
- Sound (dB) at 1m/10 ft: 92/82

Stock Unit: EA

Stock No.: 722176

Transformer, Low Voltage, Class 2 7334.15

Also known as signaling transformers, low voltage, Class 2 transformers are used to supply power to door buzzers, SCL Stock No. 722176.

Product details:

- 50/60 Hz frequency
- Non-negative thermal overload protection
- Grounding wire
- Pre-stripped primary-side pigtails
- Screw terminal connections for secondary
- Panel mount
- Mounting hole size 1-1/8 inch

Stock Unit: EA

Stock No.: 733777

Test Clips 7334.17

Test clips are used to make low-current jumper cables for testing and temporary grounding.

Stock Unit: EA

Stock No.	Description	Rating (A)	Max. Wire Size	
733570	▪ General-purpose clip ▪ Zinc-plated steel ▪ Crimp or screw connection ▪ Associated boot: Stock Nos. 733636/733637	20	14	
733571	▪ Heavy duty battery clip ▪ Zinc-plated steel ▪ Crimp or screw connection ▪ Associated boot: None	25	10	
733572	▪ General purpose clip ▪ Copper ▪ Crimp or screw connection ▪ Associated boot: Stock Nos. 733636/733637	40	14	
733573	▪ Pee-wee clip ▪ Zinc-plated steel ▪ Crimp or screw connection ▪ Associated boot: none	5	16	
733574	▪ Heavy duty battery clip ▪ Zinc-plated steel ▪ Crimp or screw connection ▪ Associated boot: none	50	8	
733575	▪ Alligator clip ▪ Nickel-plated steel ▪ Screw connection ▪ Associated boot: none	10	8	

Test Clip Boot 7334.17

Test clips are used to make low-current jumper cables for testing and temporary grounding.

Test clip boots are used to electrically insulate bare clips.

Product details:

- Made of polyvinyl chloride (PVC)
- Rated 1000 V.
- Designed to fit over test clips Stock Nos. 733570 and 733572.

Stock Unit: EA

Stock No.	Description
733636	Black Insulator (boot)
733637	Red Insulator (boot)

Cable Wrap, Polytetrafluoroethylene 7353.6

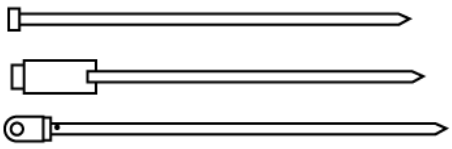
Type II, Class B insulation

Stock Unit: EA

Stock No.	Size (in)	Wire Bundle Diameter (in)	Length (ft)
735361	1/4	3/16 to 2	50
735363	1/2	3/4 to 4	25

Ties, Plastic, Adjustable 7358.1

Also known as tie wrap or cable strap.



Stock Unit: EA

Stock No.	Type	Color	Length (in), nominal
735804 E	Tie	Natural	04
735805 E	Tie	Black	07
735806 E	Tie	Natural	07
735807 E	Identification	Natural	07
735809 E	Identification	Natural	15
735810 E	clamp	Natural	08
735811 E	Tie	Black	14
735812 E	Tie	Black	20

Mounting Base, Cable Tie, Adhesive Backed 7358.18

Used with cable ties to secure low voltage wire bundles onto walls or surfaces.

Also known as 4-way adhesive-backed cable tie mounts. These attach to clean, solid surfaces with adhesive backs.

Product details:

- Made of white acrylonitrile butadiene styrene (ABS)
- Suitable for indoor use
- Rubber-based adhesive
- Suitable for service -20°F to 120°F
- Allow for cable tie entry from all four sides
- For cable ties, see SCL 7358.1.

Stock Unit: EA

Stock No.	Maximum Tie Width (in)	Static Load Capacity (lb)
735814	0.140	0.3
735815	0.190	0.5

Mounting Bases, Cable Tie 7358.18

Mounting bases are used with cable ties to secure low voltage wire bundles onto walls or surfaces.

Stock Nos. 735850 and 735852 are also known as mounting cradles. These are attached to surfaces with screws.

Stock Nos. 735801 and 735802 are also known as wall plugs. Used to secure cable ties to masonry walls. Installed in pre-drilled holes.

Product details:

- Made of black nylon 6.6
- Suitable for outdoor use
- Weather and ultraviolet resistant
- Suitable for service -40°F to 185°F

For cable ties, see SCL 7358.1.

Stock Unit: EA

Stock No.	Mounting Method	Maximum Tie Width (in)
735850	Mounting cradle, #10 screw, not included	1/2
735852	Mounting cradle, 1/4" screw, not included	1/2
735801	Wall plug, 1/4" pre-drilled masonry hole	3/16
735802	Wall plug, 3/8" pre-drilled masonry hole	1/2

Tag, Cable Identification, PVC, Blank 7358.27

Yellow, polyvinyl chloride (PVC), matte texture tag for use with permanent ink markers.

7 in L x 1-18 in W; 0.020 inches thick.

Tags are attached with tie wraps to power and communications cables and equipment to help identify connections.

Stock Unit: EA

Stock No.: 735800

Sealing and Insulating Mastic Tape 7364.70

Self-amalgamating, insulating mastic tape, “Aqua seal,” 1/8-inch thick, 3-3/4-in wide. 10 ft roll.

For sealing all types of overhead and direct buried electrical connections up to 600 volts. For waterproofing duct work, cable ends, and all types of splices.

Product is not appropriate for applications that may contact the semi-con layer of primary cable.

Stock Unit: RL

Stock No.: 736470 E

Putty, Electrical Insulation 7364.80

Self-amalgamating, low voltage insulating putty designed for quick, void-free insulation build-up. It is easily molded by hand to confirm to irregular shapes and can be used as primary insulation for splices through 5 kV in conjunction with other insulating tapes. Insulation putty provides an excellent moisture seal.

Product details:

- Thickness: 125 mils
- Color: black
- Temperature, normal service, maximum: 80°C (176°F)
- Core diameter: 1-1/2 in
- Shelf life (inside storage): 5 years from date of manufacture

Stock Unit: RL

Stock No.: 736750

Tape, Varnished Polyester Glass, Fabric 7364.95

Varnished polyester glass fabric tape is used to insulate transformer, generator, and motor windings. It is also used to insulate bus bars.

Stock Unit: FT

Stock No.	Thickness (in)	Width (in)	Roll Length (yd)
735283 E	0.01	36	36

Duct Tape, Cloth, Waterproof 7365.08

Duct tape is used to seal polychlorinated biphenyl (PCB) and asbestos suits and plastic sheets. Suitable for use on rough surfaces such as wood, metal, and concrete. 60-yd roll.

Stock Unit: RL

Stock No.: 736745

Electric Arc-Proofing Tape 7365.20

White to gray, 0.030-inch thick.

Tape is applied to high-energy, communication, and control cables that are within 18 inches of other cables to offer protection in the event of a fault from fire and electric arcs until limiting devices have time to operate.

Because tape is not adhesive coated, it must be held in place after wrapping with bands of silicone adhesive glass cloth tape, Stock No. 736632.

Stock Unit: RL

Stock No.	Width (in)	Roll Length (ft)
736525	1-1/2	20
736527	3	20

Electrical Shielding Tape 7365.22

Woven No. 36 AWG tinned copper wire, 16 mil thick.

Shielding tape is used to:

- Provide shielding for cable joints on shielded power cables
- Make the conductive portion of the stress cone on power cable terminations.

Shielding tape is an all-metal, open-weave, shielding braid tape in a flat, cable-like form. It is conformable due to the open-weave knit construction of two No. 36 AWG tinned copper wires. Because of its construction, the tape interlocks with the previous layer, thereby assuring a tighter wrap (no solder bead is required).

This product should not be used as a ground strap or jumper wire; its ampacity is not sufficient to carry large fault currents.

Stock Unit: RL

Stock No.	Description
736244	1 in x 15 ft roll
736243	2 in x 10 ft roll

Tape, Silicone Rubber, Electrical 7365.24

Self-fusing, inorganic silicone rubber, sky-blue gray.

1 in x 30 ft roll x 12 mils thick.

This product is a high-temperature, arc and track-resistant tape composed of self-fusing, inorganic silicone rubber with an easy-tear and easy-strip liner. Silicone rubber tape is intended for the following applications:

- As an overwrap for protection of terminating high-voltage cables against arcing and tracking
- As splice overwrap on spacer cable operating at 15 kV and above.

Stock Unit: RL

Stock No.: 736512

Tape, Insulating, Electrical 7365.31

Self-amalgamating, ethylene propylene rubber (EPR), 30 mil thick, black

This product is a highly conformable, linerless, ethylene rubber (EPR), high-voltage insulating tape, formulated to provide excellent thermal dissipation of splice heat. The tape has excellent physical and electrical properties, which provide immediate moisture seals and void-free build-ups. Insulating tape is intended for the following applications:

- Primary insulation for splicing all types of solid dielectric insulated cables through 69 kV
- Jacketing (secondary insulation) on high-voltage splices and terminations
- Moisture-sealing electrical connections
- Bus bar insulation

Insulating tape is linerless to permit quicker application. For best ultraviolet light (UV) protection, overwrap with a high-quality, vinyl electrical tape.

Stock Unit: RL

Stock No.	Description
736503	3/4 in x 30 ft roll
736504	1 in x 30 ft roll
736505	1-1/2 in x 30 ft roll

Self-Amalgamating, Electrical Semiconducting Tape 7365.54

Highly conformable, semi-conducting EPR (Ethylene Propylene Rubber) based high-voltage splicing tape, 30 mil thick, black.

Semiconducting tape is intended for the following applications:

- To electrically round out high-voltage connectors and to bond to insulating materials to minimize electrical stresses
- Continue semi-conducting strand shielding found in solid dielectric (polyethylene, XLP, EPR, etc.) cables at 5 kV and above
- Provide shielding for cable joints on solid dielectric insulated power cables (shielded or concentric neutral)
- Round out bolted connections on insulated bus bars.

Semiconducting tape is not oil resistant. It should not be used in splicing and terminating cables which contain oil or slippery compounds as part of dielectric such as PILC. For best ultraviolet light (UV) protection, overwrap with a high-quality, vinyl electrical tape.

Stock Unit: RL

Stock No.	Description
736670	3/4 in x 15 ft roll
736671	1 in x 15 ft roll
010451	1-1/2 in x 15 ft roll

Adhesive-Backed, Copper Foil Tape Strips 7365.56

3/8 in wide x 8 in long x 1.5 mil thick

Adhesive-backed, copper foil tape strips are used to supplement the material listed in SCL 0535.11, “Heat Shrink Splices, Straight, 110 kV BIL, Tyco.” This product can also be used to hold down constant force springs and to aid in rebuilding corroded primary cable shields.

Stock Unit: RL

Stock No.: 013499

Glass Cloth Electrical Tape 7365.58

Woven glass cloth, white, with thermosetting, pressure-sensitive, silicon adhesive, 1/2 in x 66 ft roll x 7 mil thick.

Glass cloth tape is for applications that require high mechanical strength and resistance to high temperatures. The thermosetting adhesive provides an increased bond once applied in areas of high ambient temperatures. This tape provides insulation and solvent-resistant protection and features a non-corrosive adhesive. It is conformable, printable and flame retardant. Glass cloth tape is used to secure non-adhesive-backed, fire-retardant, electric arc proofing tapes, such as Stock Nos. 736525 and 736527.

Stock Unit: RL

Stock No.: 736632

Acrylic Foam, Double-Sided, High-Bond Tape 7365.81

Durable, grey, double-sided adhesive formulated to provide strong bonds in interior and exterior applications. 1-1/2 in x 36 yd roll.

Typically used for applying streetlight pole placards to streetlights but can be used in many applications.

Stock Unit: RL

Stock No.: 013527

Corrosion Protection Tape 7366.35

High-tack, pressure sensitive rubber with polyvinyl chloride (PVC) backing material, black, 2 in wide x 100 ft roll x 10 mil thick.

Corrosion protection tape is a tough, polyvinyl chloride-based tape with special high tack adhesives formulated to resist corrosion of metal piping systems above and below ground. Corrosion protection tape is:

- Resistant to corrosive saltwater, soil acids, alkalis, and salts, common chemicals, chemical vapors, and exposure to outdoor weathering and sunlight.
- Resistant to impact, abrasions, punctures, and tears.

Surfaces to be wrapped should be clean, dry and free of oil, grease, and other contaminants. Blast removal of rust and scale is preferred. Welding slag and spatter, sharp edges or burrs should be chipped, grinded or filed. 3M recommends coating the pipe or other metal surfaces with their non-sag, rubber-based primer before wrapping to enhance adhesion. Corrosion protection tape is printed with “Pipe Wrap”, “Scotchwrap”, or other similar words to ensure the product is not confused in the field with electrical tape.

Stock Unit: RL

Stock No.: 736730

Cotton Fabric, Friction Tape 7366.41

High-quality cotton fabric, coated on both sides with an electrical-grade, solvent-free, rubber adhesive, 14 mils thick, black.

Cotton friction tape has high break strength and low stretch, making it ideal as a heavy-duty binding and harnessing tape. Cotton friction tape is intended for the following applications:

- Provide abrasion and cut-through protection on wire and cable splices.
- Provide mechanical protection for rubber electrical tape.
- Provide bundling, binding and spot holding on wire harnesses.
- Provide protection on sharp edges, to prevent scratching or cut through.

When applied over tool handles, it creates a non-slip surface.

Stock Unit: RL

Stock No.	Description
736400	3/4 in x 60 ft roll
736401	1 in x 60 ft roll
736415	2 in x 60 ft roll

Pressure-Sensitive, Vinyl Electric Tape 7366.55

Polyvinyl chloride (PVC) tape with rubber-based, pressure-sensitive adhesive, black.

Used for:

- Primary electrical insulation for wire and cable splices rated up to 600 volts
- Primary electrical insulation for 600-volt bus applications, and protective jacketing for low and high-voltage bus
- Protective jacketing for high voltage cable splices and repairs
- Harnessing of wires and cables

Suitable for both indoor and outdoor applications

Suitable for both above and below-grade applications

Tape is applied in half-lapped layers with sufficient tension to produce a uniform wind (for most applications this tension will reduce the tape's width to approximately 5/8 of its original width). Connectors having irregular surfaces should be first padded with an appropriate product.

Stock Unit: RL

Stock No.	Description	Thickness (mils)
736655	3/4 in x 66 ft roll	8.5
736656	1-1/2 in x 44 ft roll	7
736644	1 in x 36 yd roll	10
736650	2 in x 36 yd roll	10

Vinyl Color-Coding Tape 7366.71

Polyvinyl chloride (PVC) tape with rubber-based, pressure-sensitive adhesive, 1/2 in wide x 20 ft roll x 7 mil thick.

Vinyl, color coding tape operates over a wide range of temperatures, applies smoothly, conforms, and is available in nine fade-resistant colors. Vinyl, color coding tape is intended for color coding for phase identification, job identification and safety.

Stock Unit: RL

Stock No.	Color
736775 E	White
736776 E	Yellow
736777 E	Blue
736778 E	Red
736779 E	Green
736780 E	Orange
736781 E	Brown

Tape, Masking, Pressure Sensitive 7367.12

High performance pressure-sensitive masking tape consisting of a pressure-sensitive adhesive on crepe paper backing.

Intended for indoor general use and applications, such as bundling, sealing, wrapping, and labeling.

Stock Unit: RL

Stock No.	Width (in)
736702	3/4
736704	1
736710	2

Tape, Slip-Resistant 7367.35

Used on steel vault ladders and other locations for slip prevention.

Safety-walk slip-resistant general-purpose tape / tread, #610, Black, 1 in x 60 ft roll

Stock Unit: RL

Stock No.: 736715

Thin Wall Heat Shrink Tubing 7374.65

Thin wall, heat shrink type tubing, uncoated, 48-inch lengths. For general, nonelectrical use. Tubing may be used for wire jacket marking.

Product features:

- Diameter, as supplied, minimum: 0.250 in
- Diameter, recovered, maximum: 0.125 in
- Recovered wall thickness, nominal: 0.025 in

Stock Unit: PC

Stock No.: 012476

Medium Wall Heat Shrink Tubing 7374.70

Medium wall, heat shrink type tubing, black, cross-linked polyolefin. Splice cover interiors are lined their full length with a smooth coating of thermoplastic (hot melt) adhesive.

Medium wall heat shrink tubing is applied over broken-out, taped-shielded cable to provide mechanical and environmental protection. Cables of this type are exclusive to the Network system. Medium wall heat shrink tubing may also act as primary insulation for systems rated 600 volts and below. Product is considered non-flame retardant. Use only an approved propane torch, Stock Number 765897, to install heat shrink products.

Stock Unit: EA

Stock No.	Cut Piece Length, Nominal, in	Body Diameter (in) Min	Body Diameter (in) Max	Recovered Wall Thickness, Nominal, in
010414	48	0.50	1.25	0.08
737622	48	0.65	1.70	0.08
737623	48	1.00	2.90	0.11

Heavy Wall Heat Shrink Tubing 7374.75

Heavy wall, heat shrink type splice covers, black, cross-linked polyolefin. Splice cover interiors are lined their full length with a smooth coating of thermoplastic (hot melt) adhesive.

Splice covers, also known as shrink tubes or shrinks, are used to seal, insulate, and protect cable joints and terminations. They are appropriate for submersible and direct burial installations. Splice covers may also act as primary insulation for systems rated 600 volts and below. Product is considered non-flame retardant. Use only an approved propane torch, Stock No. 765897, to install heat shrink products.

Stock Unit: EA

Stock No.	Length, Nominal (in)	Expanded Internal Diameter, Min. (in)	Recovered Internal Diameter, Max. (in)	Recovered Wall Thickness, Nominal (in)
737450 E	9	1.10	0.37	0.120
737451	12	0.75	0.24	0.090
737452 E	12	1.50	0.50	0.140
737453	12	1.10	0.37	0.120
737455 E	12	2.00	0.75	0.160
737456 E	12	3.00	1.25	0.160
737601	48	1.29	0.37	0.120
737602	48	1.50	0.50	0.160
737603	48	2.00	0.75	0.160
737604	48	3.00	1.25	0.160

Cable Breakout Boot, Heat Shrink 7374.80

Cable breakout boots, heat shrink type, black, cross-linked polyolefin. Boot interiors are lined their full length with a smooth coating of thermoplastic (hot melt) adhesive.

Cable breakout boots provide strain relief and mechanical and environmental protection for breakouts in three-, four-, and six-conductor cables. Cables of this type are exclusive to the Network system. Product is considered non-flame retardant. Use only an approved propane torch, Stock No. 765897, to install heat shrink products.

Stock Unit: EA

Stock No.	Number of Legs	Body Use Diameter (in) Minimum	Body Use Diameter (in) Maximum	Leg Use Diameter (in) Minimum	Leg Use Diameter (in) Maximum
737513	3	0.85	2.20	0.35	0.90
737517	3	1.10	2.90	0.52	1.25
010402	3	1.77	4.53	0.87	2.05
012479	4	2.75	8.50	0.87	2.00
737520	6	1.45	3.85	0.60 ph 0.30 gr	1.50 ph 0.75 gr

Sealing Cap, Heat Shrink 7374.85

Sealing caps, heat shrink type, black, cross-linked polyolefin. Sealing cap interiors are lined their full length with a smooth coating of thermoplastic (hot melt) adhesive.

Sealing caps are used to seal cable ends and provide mechanical and environmental protection. Sealing caps may also be used as a live end seal for systems rated 600 volts and below. Product is considered non-flame retardant. Use only an approved propane torch, Stock No. 765897, to install heat shrink products.

Stock Unit: EA

Stock No.	Expanded Length, Nominal (in)	Expanded Internal Diameter, Minimum (in)	Recovered Internal Diameter, Maximum (in)	Recovered Wall Thickness, Nominal (in)
737475 E	2.2	0.79	0.36	0.09
737477 E	3.5	1.37	0.70	0.12
737479 E	5.7	2.17	1.00	0.13
737485 E	6.5	2.87	1.26	0.13
737483 E	6.5	3.94	1.77	0.16
737481 E	5.7	4.70	2.76	0.16

Sealant Strip, Heat-Shrink, Mastic 7374.89

2-in x 15-in x 0.03-in strip, red.

Sealant strips are used to seal the ends of uncoated tubing and molded parts, including high voltage splices and terminations.

Sealant strips are also used in low-voltage applications requiring void-filling.

Stock Unit: EA

Stock No.: 686541

Wraparound Jacket Repair Sleeve Kit, Heat Shrink 7374.90

Wraparound jacket repair sleeves provide a fast and versatile method for permanently repairing damaged primary cable jackets.

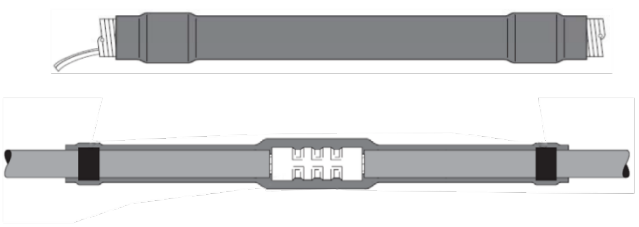
Repair sleeves are 48 inches long and may be field cut to shorter lengths. Sleeves are intended for use over cables with outside diameter between 0.65 and 2.65 inches.

Repair sleeves do not provide electrical insulation

Stock Unit: EA

Stock No.	Cable Size (in)
737621	0.65 – 2.65

Insulating Sleeve, Cold Shrink, Secondary Connector 7375.75



Cold shrink, insulating sleeves are open-ended tubular rubber sleeves with sealing mastic on each end that are factory expanded and assembled onto a removable core.

Cold shrink, insulating sleeves are used for:

- Primary electrical insulation for solid dielectric (rubber and plastic) insulated wire and cable splicing rated to 1000 volts, direct bury or submersible
- Insulation of secondary splices, copper or aluminum conductors
- Dig-in repairs
- Sheath repairs
- Insulation of inline conductor transition connectors and set screw or oversized connectors

Appropriate for use over #2 AWG – 750 kcmil, copper cable. Maximum connector length is 4.5 inches.

In aerial applications where intense UV radiation will be common and visual inspection is not possible, it is recommended to overwrap the tubing with vinyl electrical tape or self-fusing silicone rubber electrical tape. Tube does not include a connector.

Stock Unit: EA

Stock No.: 014307

Sealing Cap, Cold Shrink 7375.85

Used for mechanical and environmental protection of cable ends. Suitable for direct bury, submersible, indoor, outdoor, and overhead applications.

Installation requires no special tools.

Product details:

- Mixed polyethylene
- Wall thickness 0.15 in
- Operating temperature, range:
  - -40 to 65 degrees C
  - -40 to 149 degrees F
- Shelf life 5 years
- Ozone and ultraviolet light resistant

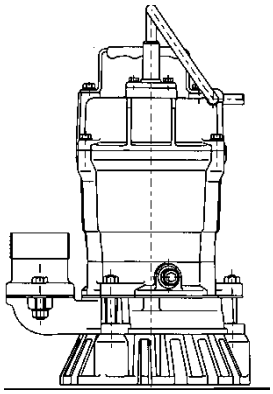
Stock Unit: EA

Stock No.	Use Range (in)	Length (in), nominal
011682	0.46 to 0.82	2.5
011683	0.63 to 1.18	2.75
011684	1.02 to 1.94	3
011685	1.79 to 3.32	3.5

Submersible Pump, Cast Iron 7392.8

Product details:

- 0.5 Horsepower
- Discharge size: 2 inches
- Uses 20 A fuse (Stock No. 013513, SCL 6855.55)



Stock Unit: EA

Stock No.: 739290

Submersible Pump Accessories 7392.82

Clamps, hoses, and switches are used as accessories with submersible pumps (Stock No. 739290). Filter socks and liquid-tight containers are used for separating particulate matter from water.

Stock Unit: EA

Stock No.	Description	
739405	Hydromatic diaphragm switch kit, 115/120 Vac, 20-ft cord; includes mounting brackets	
739406	1 in–3 in diameter stainless steel 1/2-in wide clamp with 5/8-in hex head screw	
739407	Vinylflow 2-in sump pump hose rated 80 psi working pressure at 68°F	
739408	Vinylflow 2.5-in sump pump hose rated 80 psi working pressure at 68°F	
739409	TigerFlex 1-1/4-in PVC suction hose with rigid PVC helix	
739410	TigerFlex 2-in PVC suction hose with rigid PVC helix	
013505	Filter Sock, 5-in diameter, 5-ft long	
013506	Filter Sock, 8-in diameter, 10-ft long	
013507	5-gallon Haz-Waste liquid-tight container	

Concrete Building Brick 7392.84

Gray color, 4 in x 2-1/4 in by 8 in.

Used to raise sump pumps of the floor and to adjust elevation of hatch frames on vaults.

Stock Unit: EA

Stock No.:720130

Brooms 7395.17

For general cleaning and building maintenance.

Stock Unit: EA

Stock No.	Description
775205	Broom, corn, mill, heavy duty
775215	Broom, corn, whisk
775230	Broom, floor, 18 in, with handle
775235	Broom, floor, 24 in, Type 1, with handle
775240	Broom, floor, 24 in, Type 2, with handle and brace
775216	Broom, street, push, 16 in, with handle
763899	Handle, floor broom, 60 in, 15/16" diameter
775217	Handle, replacement for push broom, 1-1/8" diameter

Brushes 7395.17

For general cleaning and building maintenance.

Stock Unit: EA

Stock No.	Description
775245	Brush, scrub, floor, palmyra fiber
775250	Brush, window with 5-ft handle
015027	Brush, truck with 6-ft handle
775226	Brush, gong, 8-inch
775227	Brush, gong, 19-3/4-inch
775221	Brush, bowl
775218	Brush, counter

Mops and Accessories 7395.17

For general cleaning and building maintenance.

Stock Unit: EA

Stock No.	Description	
764709	Pail, galvanized, 14 quart	
775283	Bucket, mop, 26 quart	
775284	Bucket, mop, wringer	
776300	Mop head, 32 oz, 8-ply cotton	
776305	Mop head, 24 oz, 8-ply cotton	
776306	Mop head, 20 oz, cotton/synthetic	
777425	Handle, mop, screw type, 60 in	

Plunger 7395.17

Black, with 20-in wooden handle.

Stock Unit: EA
Stock No. 762428

Dustpan 7395.17

20-gauge steel.

Stock Unit: EA
Stock No.: 764715

Sponge 7395.17

Cellulose, yellow, medium.

Stock Unit: EA
Stock No.: 777380

Squeegee, Floor 7395.17

With wooden handle.

Stock Unit: EA
Stock No.: 765350

Squeegee, truck with 4-ft handle 7395.17

With wooden handle.

Stock Unit: EA

Stock No.: 015026

Cleaning Chemicals and Soaps 7395.23

For general cleaning and building maintenance.

Stock Unit: per table

Stock No.	Description	Stock Unit
775004	Diversey Oxivir Sanitizer, liquid, 1 qt trigger spray bottle	CN
775460	Powder cleanser heavy-duty formula, 21 oz, shaker	CN
775485	Spic and Span all-purpose powder cleaner, 27 oz	BX
775495	Liquid drain cleaner, 32 oz	EA
775499	Heavy duty steel wool pads, box of 15	PK
775501	Hand pad, ultrafine, box of 20	BX
775502	Hand pad, general purpose, box of 20	BX
012390	Glass and surface cleaner, 32 oz, trigger spray bottle	EA
775524	Glass cleaner, 32 oz, trigger spray bottle	EA
775525	Glass cleaner, aerosol, 19 oz	CN
775025	Polyethylene bottle with trigger sprayer, 24 oz	EA
775526	All-purpose cleaner and degreaser, 24 oz, trigger spray bottle	BO
775448	Hand soap, powder, 6.5-oz bottle	EA
775450	Hand soap, powder, 1-lb box	LB
777360	Hand soap, 99.44% pure, individually wrapped, dye free, 4 oz bar	EA
777365	Hand soap, heavy duty, with moisturizers, 4 oz bar	EA
775454	Hand cleaner, waterless, 22 oz tube	EA
775455	Hand cleaner, waterless, natural orange, w/pumice, 14 oz bottle	EA
775457	Hand soap, liquid, 27 oz, bag-in-box, for dispensers	EA
726390	Sweeping compound, glycerin, gritless, 50 lb box	BX
776960	Polish, metal, 32 oz bottle	EA
775600	Deodorant, toilet bowl, 4-oz block	EA
776755	Disinfectant, bathroom cleaner, 32-oz trigger spray bottle	BO
012999	Hand sanitizer, anti-bacterial, clear gel, 8 oz bottle	EA
014617	Disinfectant wipes, surface cleaning, 75 count tub	TT
014639	Hand soap, antibacterial, unscented or lightly scented, pump, 8-16 oz bottle	EA
014645	Dishwashing soap, liquid, unscented 20-25 oz bottle	BO
014690	Antimicrobial skin wipes, 80- or 160-ct container	EA

Paper Towels 7395.26

Disposable, various types.

Stock Unit: per table

Stock No.	Description	Stock Unit
777610	Wypall X60 disposable wipers, 9.1" x 16.8", hydroknit, white, 126 sheets / box	BX
013150	Wypall L30 wipes, 10" x 10.8" double re-creped, white, 120 sheets / box	BX
777609	Embossed paper towels, 10.10" x 13.20" C-fold, white, 150 sheets / box	PK
777626	Hardwound paper towel rolls, 8" x 600 ft, single-ply white.	RL
777627	Hardwound paper towel rolls, 8" x 1000 ft, single-ply white	RL

Shop Towels 7395.26

18-in square cotton.

Stock Unit: EA

Stock No.: 777210

Paper Cups 7395.26

5 oz without handles and 8 oz insulated.

Stock Unit: TU

Stock No.	Description
775590	Paper cups without handles, 5 oz, 100 cups
775594	Paper cups, insulated, hot water, 8 oz, 50 cups

Toilet Paper 7395.26

Roll-type, double-ply, 500 sheets/roll.

Stock Unit: RL

Stock No.: 776925

Toilet Paper, RV/Marine, Septic-Safe 7395.26

Roll-type. For use in SCL crew trucks.

Stock Unit: RL

Stock No.: 014833

Toilet Seat Covers 7395.26

Quarter-fold, tear-out center, white, 200/pack.

Stock Unit: CS

Stock No.: 775580

Dispenser, Paper Cup 7395.31

Wall-mount, adjustable, pull-down dispenser. Accommodates 4 oz and 10 oz paper cups.

Stock Unit: EA

Stock No.: 761353

Dispenser, Paper Towel 7395.33

Wall-mount, white-enameled steel, 8” x 10.75”. With mounting hardware. For use with Stock No. 777610.

Stock Unit: EA

Stock No.: 777646

Waste and Recycle Can Liners 7395.35

Disposable plastic can liners for lining waste cans. Opaque liners are for collecting trash; clear liners are used for collecting recyclables.

Stock Unit: EA

Stock No.	Capacity (gal)	Thickness, Minimum (mil)	Color
726848	10	1.0	Opaque
726844	30	1.5	Opaque
726846	33	1.5	Opaque
012688	33	1.5	Clear
726850	45	2.0	Opaque

Disposable Urinal Bag 7395.35

For relief in the field when toilet facilities are not readily available. “Brief Relief” brand. Unisex, 4 mil plastic pouch.

Stock Unit: BG

Stock No.: 776944

Disposable Bag, Sanitary Products 7395.35

Kraft paper with waxed liner. 500 ct.

Stock Unit: CS

Stock No.: 726870

Garbage Can, Galvanized Steel, Heavy Gauge 7395.37

Product details:

- Diameter: 21-1/4 in
- Height: 26-1/4 in
- Capacity: 32 gallons

Stock Unit: EA

Stock No.: 722232

Lubricant, Switch Contact 7515.10

Semi-solid, light tan to light yellow in color. Packaged in 1/4-oz tube.

For lubricating S&C Electric type PMH, padmount, Mini-Rupter switch contacts.

Avoid contact with skin or eyes. During use, wear chemical resistant gloves and safety glasses. No ingredients are known to be hazardous under normal usage.

Refer to S&C Electric Data Bulletin 662-90 for type PMH switchgear inspection and maintenance recommendations.

Stock Unit: TU

Stock No.: 013241

Grease, Silicone 7515.25

Manufactured from a dielectric silicone compound.

Five-gram packets are for used to lubricate elbows and primary splices.

Eight-ounce squeeze tubes are most appropriate when large amounts of the product are needed to fill voids in underground secondary cluster splices for the purpose of keeping out dirt and water.

Product dispensed from eight-ounce squeeze tubes should not be used to lubricate primary connections due to the risk of contamination.

Stock Unit: TU

Stock No.	Description
686431	5-gram packet
012788	8-oz tube

Lubricant, Grease, Non-Soap 7515.35

Non-soap grease provides excellent lubrication for extended time periods, in wet or dry applications, and over a wide range of temperatures.

Non-soap grease is also appropriate in applications where the lubricant is exposed to contaminants such as water and chemicals found in many industrial applications including chemical plants and paper mills.

This product replaces the use of Stock No. 012249.

Non-soap grease is used for lubricating of overhead switch contacts.

This grease is not recommended for use in centralized lubrication systems.

Product details:

- Clay thickener
- Bentonite clay thickener
- Dark red color
- NLGI consistency number (NLGI grade) 1.5
- Water washout, loss at 41ºC, wt%: 1
- Operating temperature range: -54ºC to 177ºC
- Base oil viscosity
  - at 40ºC: 29.3 cSt
  - at 100ºC: 5.7 cSt

Stock Unit: TU

Stock No.: 014938

Cable-Pulling Lubricants 7515.45

Cable-pulling lubricants are used to provide maximum tension reduction in high stress electrical and communications cable-pulling operations.

Compatible with most cable types except composite rubber. Cleans up easily with soap and water, Clings to cable throughout long pulls. Remains stable over wide temperature range — usable from 28°F to 180°F (-2°C to 88°C).

The pourable version features the same qualities as the standard product with a lower viscosity for easy pouring and pumping.

Stock No.	Description	Stock Unit
726223	Plastic bag, 1/2-gallon	BG
726226	Plastic jug, pourable version, 1-gallon	GL
726227	Plastic pail, pourable version, 5-gallon	PL

Cutting Fluid 7515.55

Cutting fluid is used on threading tools for lubrication and to prevent galling and seizing. This lowers threading torque, improves thread quality, and increases die life.

Cutting fluid is designed for cutting and machining steel, aluminum, and other types of metals.

Product details:

- Biodegradable
- Non-toxic and non-hazardous
- Low odor
- Safe on all metals
- PCB and chlorine free
- Flash point 176 degrees C

Stock Unit: GL

Stock No.: 726580

Lubricant, Penetrating 7520.25

Penetrating lubricants are suitable for a variety of electrical and industrial uses. They lubricate, clean, loosen rust and scale, penetrate frozen parts, and prevent corrosion.

Do not use Polywater (Stock No. 723031) on rubber and plastic parts, gaskets, seals, and O-rings. It could affect some rubber compounds and cause cracks.

Stock Unit: EA

Stock No.	Description	Aerosol can size (oz)
726536	LPS Laboratories, Petroleum-Based	11
723031	Polywater, Petroleum-Based	12
723032	Liquid Wrench, Petroleum-Based	11
014696	Renewable Lubricants, BPL (Bio-Penetrating Renewable Lubricant), Soy-Based	11
726572	Tri-Flow Synthetic Grease, Food Grade	12
723034	La-Co Zoom Spout	4

Transformer Insulating Mineral Oil 7525.15

Naphthenic, ASTM Type II mineral oil with Ditertiary Butyl Paracresol (DBPC) added to inhibit oxidation within the transformer.

This oil is used to replace or supplement mineral oil in repaired or maintained distribution transformers. As of this writing, only new Network transformers are purchased with mineral oil. All other transformers are purchased with natural ester insulating fluids like FR3.

Stock Unit: GL

Stock No.: 753100

Varnish, Electrical 7525.35

Insulating varnish, 1 qt can.

Varnishes are used to provide a dielectric finish with oil, moisture, and acid-resistant coatings.

Stock Unit: QT

Stock No.: 725471

Sealer, Electrical 7525.35

16-oz spray can.

Sealers are used to spray over insulation on wire and cable splices, as a general-purpose sealer, or for touch-up insulation on motor windings and frames.

Stock Unit: CN

Stock No.: 725474

Filler Compound, Compression Fitting 7525.45

Fits standard caulking guns.

Filler compound improves the mechanical holding strength and conductivity of compression fittings.

Filler compound is for compression accessories operating at temperatures up to 180ºC (355ºF).

Filler compound is applied to compression connectors such as dead ends, joints, terminals, and jumpers.

Filler compound contains hard metallic particles(grit), which clean the strands (removing oxides) during the compression process.

Compressing forces the compound into the strands, blocking moisture that can wick up through the conductor.

Stock Unit: TU

Stock No.: 726324

Joint Compound, Oxide-Inhibiting, Synthetic, With Grit 7530.35

8 oz. squeeze bottle.

Oxide-inhibiting compounds lower contact resistance, seal out air and moisture, and prevent oxidation or corrosion.

Recommended for use on bare aluminum to aluminum and aluminum to copper compression connections. The compound is compatible with rubber, polyethylene, and other insulating materials.

The compound contains conductive metal particles (grit) whose function is to break through the oxide film on the contact surfaces, act as electrical bridges between the conductor strands, aid in gripping the conductor, improve electrical conductivity, and enhance the integrity of the connection.

For details, see SCL Work Practice 0576.03; “Preparation for Bolted and Compression Connections” and SCL Construction Standard 0575.14; “Splices, Straight Compression, Non-Tension, Secondary.”

Stock Unit: EA

Stock No.: 726180

Joint Compound, Oxide-Inhibiting, Synthetic, Without Grit 7530.35

8 oz. squeeze bottle.

These oxide-inhibiting compounds are recommended for use on bare aluminum to aluminum and aluminum to copper cable-to-joint, flat-to-flat, and sliding surfaces. The compound is compatible with rubber, polyethylene, and other insulating materials.

Aluminum bolt setups that are to be torqued require the application of small amounts of Stock No. 726181 on the threads for proper torque.

This compound does not contain conductive metallic particles as it will impair or abrade the contact surfaces.

For details, see SCL Construction Standard 0575.02; “Bolted Connections.”

Stock Unit: EA

Stock No.: 726181

Joint Compound, Oxide-Inhibiting, Non-Synthetic, Without Grit — 7530.35

8 oz. squeeze tube.

These oxide-inhibiting compounds are recommended for use on bare aluminum to aluminum and aluminum to copper flat-to-flat surfaces, such as bus-to-bus and terminal pad-to-bus bolted connections.

This is the only recommended flat-to-flat compound to use in Network.

The compound is petroleum-based that acts to dissolve aluminum or copper oxide films, promote low resistance joints, and seal the contact surface against moisture and further oxidation.

This compound does not contain conductive metal particles.

For details see SCL Work Practice 0576.03; “Preparation for Bolted and Compression Connections.””

Stock Unit: EA

Stock No.: 726182

Joint Compound, Rust Preventive — 7530.35

16-oz (1 pt) can with brush. Electrical contact grease.

This oxide-inhibiting compound is used on copper to steel and steel to copper in severe corrosive environments and directly burial applications.

For details see SCL Work Practice 0576.03 for Preparation for Bolted and Compression Connections.

Stock Unit: PT

Stock No.: 725696

Sealing Compound 7535.25

Sealing compound is a gray, permanently soft, non-toxic compound which will adhere to most clean, dry surfaces.

Sealing compound is used to seal around electrical boxes and flashings. It can be shaped by hand to any form and reused if necessary.

Product details:

- Dielectric strength: approx. 200 V per mil (ASTM D149-64)
- Resistant to water, alcohol, mild acids and bases
- Non-toxic and non-hazardous
- Non-corrosive to metals and plastics
- Paintable
- Suitable for indoor and outdoor use
- Asbestos free
- REACH & RoHS compliant
- Recommended temperature usage range: 25°F to +120° F
- Temperature tolerance range: -30°F to +175°F

Stock Unit: EA

Stock No.: 726294

Sealant, Fire Barrier 7535.35

Used to provide a fire barrier for openings in interior walls and floors. Sealant may be used alone or in conjunction with fire barrier plugs (See SCL 7201.69).

Stock Unit: TU

Stock No.: 012790

Transformer Leak Repair Kit 7535.45

Used to make durable, inf-field repairs of transformer oil and SF6 gas leaks.

Sealant bonds to numerous metals, ceramics, and rubbers.

Eye protection and protective gloves are recommended when using this product.

Product shelf life is 15 months.

Kit includes:

- PowerPatch® sealant 2-part cartridges (2 ea)
- Mixing nozzles (static mixers) (4 ea)
- Putty sticks (1-3/4-inch) (2 ea)
- Type RP cleaning and preparation wipes (8 ea)
- 24-inch strip sanding cloth (1 ea)
- Application sticks (4 ea)
- Instruction sheet (1 ea)
- Application tool to dispense cartridge package (1 ea)

Stock Unit: KT

Stock No.: 014916

Adhesive 7540.25

Used for waterproofing splices, terminations, and for use on joints for nitrile rubber gaskets.

Stock Unit: See table.

Stock No.	Description	Stock Unit
722020	3M Nitrile High Performance Rubber and Gasket Adhesive. 5 oz tube. Dark brown. Product is a medium viscosity grade adhesive for many brush or flow applications. Bond leather, nitrile rubber, most plastics, and gasketing materials to a variety of substrates. Quick drying. For waterproofing splices and terminations.	TU
726548	Loctite Super Bonder Instant Adhesive.1-oz. bottle. Clear color.	EA

Glue 7540.25

Glue is used to bond wood and paper products.

Stock Unit: See table.

Stock No.	Description	Stock Unit
726550	DAP Plastic Resin Glue, Powdered. Amber-colored. Product is a pre-catalyzed water-activated glue designed to provide strong, durable bonds for wood and wood products.	LB
726555	Elmer’s Glue-All. White color. For use with paper products.	PT

Cements 7540.25

Cements are used for joining PVC conduit and fittings and for locking and sealing threaded metal fasteners.

Stock Unit: EA

Stock No.	Description	Stock Unit	
726680	PVC Cement. 8 oz or 16 oz. For joining PVC conduit and fittings up to 6” diameter Do not use for water, sewer or DWV installations.	CN	
726685	Christy’s Red Hot Blue Glue. 16 oz. Product is a is a very aggressive, medium bodied, very fast setting PVC solvent cement. For PVC pipe and fitting applications, potable water, pressure, non-pressure conduit, drain, duct, DWV and sewer.	PT	
726323	Rectorseal Pipe Thread Sealant No. 5, 1/4-pint. Product is a thread sealant used on pipes made of galvanized steel, iron, brass, copper, aluminum, stainless steel, polyethylene, reinforced fiberglass, and PVC. DO NOT USE ON ABS OR CPVC.	CN	
015094	Loctite Threadlocker Blue 242, 20 oz tube. Product is used to lock and seal threaded metal fasteners which require normal disassembly with standard hand tools.	EA	
015095	Locktite Threadlocker Red 271, 20 oz tube. Product is used to permanently lock and seal threaded metal fasteners.	EA	

PVC Primer 7540.25

Purple Primer, 32 oz.

Used on PVC conduit, duct, wire way and fittings to remove surface dirt, grease, and grime for preparation before solvent cementing.

Stock Unit: QT

Stock No.: 726684

Putty Repair Stick, Epoxy, Steel-Reinforced 7545.05

Epoxy putty, 2-oz. stick.

For use in spill events to bond, fill, anchor, caulk, and waterproof items made of steel, aluminum, copper, wood, fiberglass, ceramic, PVC, concrete and more.

When applying to damp, wet, or slowly leaking area, work the mixed epoxy putty forcefully into the surface and apply pressure until adhesion begins to take effect.

For best results, use damp fingers for easier mixing, application, and a smooth appearance of the cured compound. Remove excess material before hardening begins.

Curing: Repair putty has a 3–5-minute work life. After 5-10 minutes, it will harden and form a tenacious bond. After 60 minutes the system can be put back into service.

Stock Unit: EA

Stock No.: 756105

Sealant, Silicone Rubber 7545.25

Used for creating a waterproof seal around non-porous surfaces.

Product details:

- 100% silicone rubber
- White
- Mold and mildew resistant
- 10.1 fl oz tube

Stock Unit: EA

Stock No.: 726241

Oakum 7545.55

Brown, dry, twisted jute roving. 27-inch strands.
Used for caulking or packing joints of timber or cast iron pipe.

Stock Unit: LB
Stock No. 723024

Multi-Purpose Hand Towels, Premoistened, Industrial Degreaser 7550.09

Premoistened, multi-purpose, hand towels, 9.5" x 12".
Effective against tar, paint, grease, lubricants, wax, adhesives and ink.
Safe for hands and skin.

Stock Unit: EA
Stock No.: 014424

Cleaners and Degreasers, Electrical 7550.25

Electrical insulation cleaners and degreasers are intended primarily for cleaning electrical cables in the process of making electrical splices and terminations. Removes grease and oils from solid surfaces and it may also be used as a general-purpose cleaner/degreaser for cleaning electrical and mechanical parts.

Electrical insulation cleaners and degreasers are compatible with all plastics and rubber cable insulations.

Stock Nos. 013894, 726158, and 726163 are all the same type of product, but come in different packaging options. These are used for cable cleaning, splice preparation, cable terminations, switchgear, transformers, motor controls, fusible disconnect devices, motor, generators, and rheostats.

Stock No. 726168 is used for cable cleaning and electrical contacts.

Stock No. 726028 is primarily used by Stations to clean insulators and bushings.

Stock Unit: See table.

Stock No.	Description	Stock Unit
013894	Multipurpose cleaner and degreaser, dual wipe	EA
726158	Multipurpose cleaner and degreaser, 5-gallon pail	EA
726163	Multipurpose cleaner and degreaser, 1-quart bottle	EA
726168	Electrical contact cleaner, fast-drying, 9-oz aerosol can	EA
726028	Insulator and bushing cleaner (denatured alcohol)	GL

Cleaner, Brake Parts 7550.27

Used to clean motor-operated tools typically used for electrical work.

Product details:

- 14-oz. aerosol can
- Non-chlorinated

Stock Unit: EA

Stock No.: 015075

Cleaner/Degreaser, General Purpose 7550.29

General purpose cleaner/degreasers are used for general surface cleaning.

This product should not be used for cleaning primary cable insulation.

Cleaner/degreasers remove tough grease, oils, and tars and other contaminates from metals, painted surfaces, ceramic, fiberglass, and many plastics. It is also effective in removing some glues, resins, and oil-based stains from carpets and upholstery.

Bio-degradable.

Stock Unit: EA

Stock No.: 726156

Wood Pole Preservative Rod Kit 7555.25

Also known as Cobra Rods.

Used for inserting into in-service wood poles that require preservative to control decay and prevent fungal growth.

Cobra Rods consist of a fungicide in the form of solid fused glass rods composed of the following:

- Anhydrous disodium octaborate
- Copper (from copper hydroxide)
- Boric acid

Each kit contains:

- Six 1/2 x 4-inch Cobra Rods
- Three, 9/16 diameter Cobra Plugs
- One "COBRA ROD" aluminum tag
- One nail to attach tag to pole

To install, drill a 1/2" diameter hole (start at or just below ground line downward at a 46-60-degree angle) to a depth of approximately 14". Insert two Cobra Rods into each hole, one at a time and seal hole with reusable nylon Cobra Plug (plug may be hammered or twisted into place) by seating the plug flush with the surface of the pole. Attach "COBRA ROD" tag to pole at or near eye level with supplied nail.

Stock Unit: EA

Stock No.: 013018

Metal Protectants 7560.45

For use on metal as a cleaning, protection, and preservation agent.

Stock Unit: See table.

Stock No.	Type	Color	Primary Ingredients	Stock Unit
725130	Galvanizing compound	Gray	97% zinc dust and epoxy resin	CN
725694	Rust destroying coating	Black	Acetone, 2-Butoxyethanol, formic acid	EA

Acetone 7560.55

Used to thin and remove polyester, epoxy resins, ink and fiberglass and to clean dried latex paint, uncured lacquers and label adhesives.

Comes in 1-quart cans.

Stock Unit: QT

Stock No.: 725238

Soldering Flux 7570.25

Product details:

- 1-1/4 in diameter
- 3-1/2 in length
- 6 sticks per package

Stock Unit: EA

Stock No.:728112

Soldering Paste 7570.25

Product details:

- No odor
- Lead free
- 1.7 oz can

Stock Unit: CN

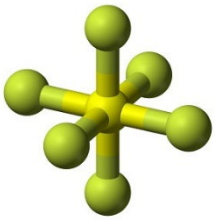
Stock No.: 728136

Sulfur Hexafluoride (SF6) Gas, Technical Grade 7575.25

Technical grade sulfur hexafluoride (SF6) gas packaged in steel cylinders.

Technical grade SF6 is a non-poisonous, non-flammable gas that is used as electrical insulation in substation circuit breakers and other gas-insulated equipment.

Technical grade SF6 has very low levels of contaminants.



Stock Unit: EA

Stock No.	Description
014420	18 lb cylinder filled with SF6 gas
014520	18 lb cylinder empty
726482	115 lb cylinder filled with SF6 gas
014521	115 lb cylinder empty

Thread Seal Tape 7585.25

Thread seal tape is used to seal all types of threaded joints. It prevents leaks and allows the joints to be easily disassembled if needed.

Thread seal tape is also known as PTFE tape, Teflon tape, or plumber's tape.

Seals thread joints on pipes made of a variety of materials from plastic, glass, copper, brass, aluminum, steel, iron.

Product details:

- 260-inch roll
- 1/2-inch width
- Color: white
- Plastic spool in snap-on case

Stock Unit: EA

Stock No.: 736690

Leather Conditioning Oil, Neatsfoot 7585.35

Neatsfoot leather conditioning oil softens, moisturizes, preserves, and protects leather.

Pure Neatsfoot oil is non-drying and will not cause leather to become brittle.

Neatsfoot oil darkens most leather. Do not use on suede, nubuck, distressed, or napped leather.

Stock Unit: EA

Stock No.: 723030

Ice Melt Compound 7585.40

Ice melt compound is used to melt ice on concrete, asphalt, lawns, shrubs, decks, pavers, stonework, wood, metal, and composite surfaces.

Product details:

- 35-lb pail
- Safe around children
- Safe around pets (paws, eyes, and skin)
- Safe if pets eat, swallow, or ingest
- Salt free, chlorine free, acetate free
- Provides slip protection
- Environmentally safe
- Non-corrosive
- Non-toxic

Stock Unit: LB

Stock No.: 726290

Water, Distilled 7585.45

1-gallon jug.

Distilled water is used for maintenance of station batteries and other equipment that require water free of impurities for proper operation and to minimize corrosion.

Stock Unit: GL

Stock No.: 726027

Baking Soda 7585.50

Used for maintenance of substation and fleet vehicle batteries.
Baking soda is also known as sodium bicarbonate.
100% pure.

Stock Unit: BX
Stock No.: 726670

Windshield De-Icer 7585.55

Windshield de-icer melts away frost and ice and prevents refreezing.
De-icer is a blend of methyl alcohol (67-56-1) and ethylene glycol (107-21-1).
This product is flammable and poisonous. Do not swallow or breathe.
Product details:

- 11-oz aerosol can
- Top of can includes a built-in scraper

Stock Unit: CN
Stock No.: 726682

Odor Eliminator, Liquid, in Spray Applicator 7585.65

Product is used to control odor emitted from malodorous utility poles.
Product details:

- 32-oz handheld spray bottle
- Non-toxic and eco-friendly
- Fragrance-free
- Ready–to-use

Stock Unit: EA
Stock No.: 014809

Line Hose Bag, Canvas 7601.1

Water-repellent canvas line hose bag with waterproof bottom and cuff made of harness leather. Natural white or yellow. Dimensions nominal 7 or 8 ft x 42 in

Stock Unit: EA

Stock No.: 760148

Center Punch 7604.45

Used for piercing sheet metal or to create a starting point for drills in metal and other materials.

Stock Unit: EA

Stock No.:764840

Chisel, Cold 7604.45

Used to shape and cut cold metal.

Stock Unit: EA

Stock No.	Description
760902	Cold chisel, 1/4-in cut size, 5-in length
760904	Cold chisel, 3/8-in cut size, 5-in length
760906	Cold chisel, 1/2-in cut size, 6-in length
760908	Cold chisel, 5/8-in cut size, 6-1/2-in length
760910	Cold chisel, 3/4-in cut size, 7-in length
760912	Cold chisel, 1-in cut size, 12-in length

Shears, Metal 7604.45

Used to cut thin sheet metal or other applicable materials, such as composite shingles, vinyl and aluminum sheets, gutters, and downspouts.

Also known as tinner's snips or tin snips.

Stock Unit: EA

Stock No.: 765230

Hacksaw Replacement Blades, Bi-Metal 7604.6

Replacement blades for high-tension hacksaw, Stock No. 762420.

Stock Unit: EA

Stock No.	Length (in)	Teeth Per Inch
760460	12	14
760465	12	18
760480	12	24

Hacksaw, High-Tension, 12-Inch 7604.65

Used for sawing most metal, including unhardened steel and stainless steel.

Product details:

- Blade length: 12 in
- Tubular frame: 15-in long, designed with integrated blade storage
- Throat depth: 3-7/8 in
- Adjustable blade tension up to 32,000 psi
- Adjustable blade cutting angle, 45° or 90°
- Quick-release blade capability

Hacksaws are equipped and ready for use with a 24 teeth per inch, bi-metal, 12-inch saw blade.

For replacement blades, see SCL 7604.6.

Stock Unit: EA

Stock No: 762420

Bag, Tool, Canvas 7607.10

Canvas, leather bottom tool bags are used to carry electric line tools and equipment. Typically hung by a hook from a crossarm. Hook available from the Tool Room. Dimensions 12 in (W) x 17 in (L)

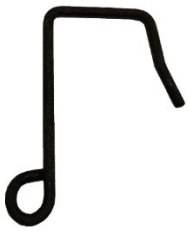
Stock Unit: EA

Stock No.: 760735

Hook, Tool Bag 7607.13

Steel tool bag hook. Used to hang canvas tool bags (Stock No. 760735) on the crossarm or bucket during pole top construction.

“S” tool bag hooks are typically used to hang tool bags in vaults.



Stock Unit: EA

Stock No.	Description
014565	Crossarm tool bag hook, black
014566	“S” tool bag hook, large, yellow
014567	“S” tool bag hook, small, yellow

Wheel Chock 7609.30

Aluminum, with handle. Used as a backup measure to prevent a vehicle from rolling down a hill in the event the vehicle's parking brake system fails.

For proper application, refer to SCL Work Practice 0057.03.

Misapplication of wheel chocks could lead to serious personal injury to Seattle City Light employees or the general public.

Stock Unit: EA

Stock No.: 760931

Spill Kit, Vehicle 7610.15

Vehicle spill kit and associated container (duffel bag).

Vehicle spill kits are issued to SCL fleet vehicles in case there is a need to clean up oil- and water-based spills.

For information on restocking individual kit items, see SCL 0057.09.

Vehicle spill kits are to be stored in a dry environment. Duffel bags are not waterproof.

Stock Unit: EA

Stock No: 014401

Spill Kit, Oil-Only 7610.19

Spill kit and associated container (polyethylene drum).

Kits are designed for spill events involving oil-based substances.

Contact Material Control for information on return or replenishment of kits.

Spill kits should be inspected every six months to validate contents and expiration dates.

Stock Unit: EA

Stock No: 756100

Spill Supplies, Absorbent Sock 7610.21

100% polypropylene wrapped in a knitted sleeve.

For use in spill events.

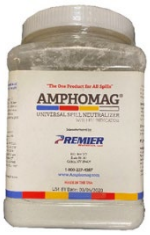
Stock Nos. 756101 and 756102 are for oil-based spills.

Stock No. 756109 is for absorbing hazardous material (chemicals, acids, and bases)-based spills.

Stock Unit: EA

Stock No.	Description
756101	Sock, oil-absorbent, white, 3" x 48"
756102	Sock, oil-absorbent, white, 3" x 96"
756109	Sock, hazmat, yellow, 3" x 48"

Spill Supplies, Neutralizing Sorbent, Acid/Base, Granular 7610.26



Granular, acid/base neutralizing sorbent is an amphoteric (a compound that can react both as a base and as an acid) spill-response product that neutralizes acids and bases when applied to potentially environmentally hazardous materials involved in a spill.

The amount of Amphomag needed to contain an aqueous spill is about the weight of the spill. In order to completely neutralize the spill material, the amount of Amphomag required will depend on the concentration of the spilled substance.

Amphomag has a long shelf life as long as the product remains in the original factory-sealed container and is stored in a cool, dry place. The manufacturer recommends inspection of the product every six months. If the product is clumped or a color change is observed, then it should be replaced.

Stock Unit: EA

Stock No: 756104

Spill Supplies, Bag, Disposal, Polyethylene, Sealable 7610.29

Sealable, polyethylene disposal bags are used for the storage and disposal of oil or hazardous material spills that have been contained with absorbent material. The bags are also used to store PCB oil sample kits for Substation crew use.

Stock Unit: EA

Stock No.	Description
756107	5-gallon, clear, seal-top polyethylene bags, 20 in x 24 in, 4 mils thick
756108	1-gallon, clear, seal-top polyethylene bags, 12 in x 15 in, 4 mils thick

Loose Absorbent Material 7610.55

Used to absorb oil-based spills on hard surfaces such as pavement, asphalt, concrete, or other solid surfaces.

Loose absorbent material should not be used with epoxy catalysts (generally part B compounds).

Stock Unit: EA

Stock No.:014925

Traffic Safety Cone 7611.10

Polyvinyl chloride (PVC), 28 inches tall, fluorescent, retroreflective.

Cone has a nominal weight of 8 pounds and a standard profile.

Traffic safety cones are used to channelize road users, divide opposing vehicular traffic lanes, divide lanes when two or more lanes are kept open in the same direction, and delineate short duration maintenance and utility work.

Cones are appropriate for day or nighttime use on low-speed roadways or freeways. To minimize the possibility of being blown over or displaced by moving vehicular traffic, cones may be doubled up to increase their weight.

Stock Unit: EA

Stock No: 761125

Cone-Mounted Sign, Traffic Control 7611.15

Signs are one-piece, injection molded plastic (high-impact ABS resin, .125 inch thick).

Signs are designed to resist warping, flaking, or splintering.

Signs are mounted on traffic safety cones to provide additional notice or directions to pedestrians or workers and further enhance the safety of a work site.

Signs are intended for use with 28-inch traffic cones specified in SCL 7611.10.

Stock Unit: EA

Stock No.	Description
012245	12-3/4" x 10-1/2", reflective arrow sign
012246	12-3/4" x 10-1/2", reflective slow sign
014929	12-3/4" x 10-1/2", reflective bike lane closed sign
014930	12-3/4" x 10-1/2", reflective crosswalk closed sign

Reflective Triangle Kit and Flares 7611.21

Reflective triangles and flares are used in emergency traffic control situations. They provide additional visibility and warning to pedestrians or workers when road hazards such as vehicle accidents or emergency work occur.

Stock Unit: EA

Stock No.	Description
762410	Reflective triangle kit, set of 3 in storage box
762450	Flares, red flame, 20 minutes

Biohazard Tongs 7612.09

Made of durable, red plastic, with teeth and rubber-dipped tips to help ensure a solid grip.

6.25-inch (nominal) length.

Biohazard tongs are used to handle sharps. Sharps are defined as items which can pierce or cut skin and have been contaminated with blood or other bodily fluids.

Stock Unit: EA

Stock No.: 014380

Spill Supplies, Absorbent Pads 7610.12

Stock No. 756111 is for cleaning up both water-soluble and oil-based spills.

Stock No. 777641 may also be used to clean oil from connectors and vault walls.

Stock Unit: BL

Stock No.	Type
756111	Absorbent pads, universal, yellow, heavyweight, 15" x 18"
777641	Absorbent pads, oil-only, white, heavyweight, 15" x 18"

Sandpaper 7612.15

Also referred to as abrasive paper and cloth. Sandpaper is used to remove material from surfaces or sometimes to make a surface rougher.

Sheets are 9 inches by 11 inches.

Rolls are 1 inch by 50 yards.

Stock Unit: All except Stock Nos. 722340, 722344: SH; Stock Nos. 722340 and 72344: RL

Stock No.	Type	Material	Grit	Grain	Backing	Coating
722316	Abrasive cloth	Emery	Fine	150	J	Closed
722320	"	Aluminum Oxide	Medium	80	J	Closed
722336	"	Crocus	Fine	-	J	-
722340	"	Aluminum Oxide	Medium	100	J	Closed
722344	"	Aluminum Oxide	Fine	150	J	Closed
723040	Abrasive paper	Silicon Carbide	n/a	150	A	Open
723044	"	Aluminum Oxide	"	120	C	Open
723046	"	Garnet	"	100	A	Open
723048	"	Aluminum Oxide	"	80	C	Open
723121	"	Silicon Carbide	"	220	A	Open
723108	"	Silicon Carbide	"	280	A	Closed
723114	"	Silicon Carbide	"	320	A	Closed
723120	"	Silicon Carbide	"	400	A	Closed

Steel Wool 7612.35

Used for surface prepping and cleaning. Specific uses for the grades that SCL purchases are described below.

Grade: Very Fine #00

Application:

- Polishing and restoring items made of aluminum, copper, brass and other bright metals
- Removing old finishes from wood items
- Repairing burn marks on wood or leather

Grade: Medium #1

Application:

- Preparing wood for primary coat
- Cleaning copper pipes and fittings
- Smoothing raised grain
- De-glossing painted surfaces before applying coatings

Grade: Medium Coarse #2

Application:

- Removing paint or wax build-up from wood flooring
- Cleaning porcelain, tile, and grout
- Etching porcelain and metal surfaces

Stock Unit: PK

Stock No.	Description
777910	Very fine #00 16 pads/pkg, 12 pkg/box
777920	Medium #1 16 pads/pkg, 12 pkg/box
777930	Medium coarse #2 16 pads/pkg, 12 pkg/box

Sharpening Stones, Silicon Carbide 7612.45

Used for sharpening blades and restoring cutting edges

Stock Unit: EA

Stock No.	Type	Size (in)	Grit
765365	Bench	1 x 2 x 8	Side 1: Fine 320 Side 2: Coarse 120
765375	Scythe	3/4 x 1-1/4 x 10	Coarse

Sharpening Tool, Knife and Scissors 7612.45

Used for sharpening blades and restoring cutting edges.

Product details:

- Manufactured from tungsten carbide
- Able to sharpen both sides of the blade at the same time
- Dimensions: 4 in L x 2-1/4 in W x 3/4 in D
- Built-in finger guard

Stock Unit: EA

Stock No.: 762280

Tools, Measurement 7614.15

Tape measures, rulers, and replacement blades.

Stock Unit: EA

Stock No.	Description	
764999	Folding ruler: ▪ Wood ▪ 6-ft long ▪ 5/8-in wide ▪ Marked on both sides and edges in 1/16" increments	
765805	Tape measure: ▪ Steel locking blade with Mylar coating ▪ 12-ft long ▪ 3/4-in wide	
765806	Tape measure: ▪ Steel locking blade with Mylar coating ▪ 25-ft long ▪ 1-in wide	
760505	Replacement blades for tape measure, Stock No. 765805: ▪ Steel with Mylar coating ▪ 12-ft long ▪ 3/4-in wide	*No image available*
765815	Long tape measure: ▪ Synthetic fiber blade ▪ 50' long ▪ 5/8" wide	
765825	Long tape measure: ▪ Fiberglass blade ▪ 100' long ▪ 1/2" wide	

Mason Twine 7614.15

Product details:

- Nylon
- String size #18
- 260’ length, nominal
- Highly visible yellow color

Stock Unit: EA

Stock No.:722844

Carpenter’s Square 7614.15

Product details:

- Steel square with embossed 1/8-in gradations
- 24” x 2” body
- 16" x 1-1/2” tongue

Stock Unit: EA

Stock No.:765345

Level 7614.15

Product details:

- 24-in long
- Non-conductive, ABS plastic
- Yellow
- Top-read
- Center vial

Stock Unit: EA

Stock No.: 764360

Lumber Crayon 7614.15

Waterproof, clay base, 1/2-in wide, 4-1/2-in long, hexagonal cross-section

Stock Unit: EA

Stock No.	Description
722386	Blue

722389	Red

722392	Yellow

Metalworker Crayon 7614.15

Soapstone, flat, 1/2-in wide, 5-in long, 3/16-in thick.

Stock Unit: EA

Stock No.: 722395

Paint Marker 7614.15

Product details:

- Used for marking transformers
- #B class
- 4-3/4-in long
- 11/16-in tip size
- Weather and UV resistant
- Lead free and non-toxic
- 12-24-hr. dry time

Stock Unit: EA

Stock No.	Description
722400	White
722403	Orange

Draw Knife, 13-Inch 7614.22

Product details:

- Straight blade type
- Hand forged
- High carbon steel
- Contoured hardwood handle

Stock Unit: EA

Stock No. 764215

Hand Saw 7614.22

Product details

- Crosscut
- Blade length, 26 in
- 8 points per inch
- Carbon steel

Stock Unit: EA

Stock No.765015

Nail Puller 7614.22

Product details:

- 18-in length
- Box-joint design
- Hardened jaw
- Forged alloy steel
- Black enamel finish

Stock Unit: EA

Stock No. 764810

Wrecking Bar 7614.22

Product details:

- 24-in length
- 3/4-in wide
- High carbon steel
- Beveled chisel on one end and slotted claw on opposite end

Stock Unit: EA

Stock No. 760175

Putty Knife 7614.22

Product details:

- 1-1/2-in wide blade
- Rust -resistant, flexible steel blade
- Wooden handle with nail-setting head

Stock Unit: EA

Stock No.764225

Paint Brush, Natural Bristle 7614.35

Natural-bristle brushes are best for applying oil-based alkyd paints.

Stock Unit: EA

Stock No.	Description	Bristle Diameter, Minimum Thickness (in)	Length Out (in)
760681	Sash, flat, wood handle	2	9/16
760682	Sash, flat, wood handle	2-1/2	5/8
760684	Sash, angular, wood handle	2	9/16
760644	General purpose, wood handle	1	5/16
760646	"	2	1/2
760650	"	3	11/16
	"	"	1/2

Paint Brush, Synthetic Bristle 7614.35

Synthetic-bristle brushes are recommended for water-based latex paints.

Stock Unit: EA

Stock No.	Description	Bristle Diameter, Minimum Thickness (in)	Length Out (in)
760645	General purpose, flat	1	7/16
760655	General purpose, plastic handle	2	9/16
760660	"	2-1/2	10/16
760665	"	3	11/16

Paint Brush, China Bristle, Single Use 7614.35

China bristle, wood handle, 1-1/2-inch length.

Bristle diameter: 1/2 inches wide and 5/16 inches thick

Stock Unit: EA

Stock No.: 760643

Paint Brush, Marking 7614.35

No. 6 marking brush.

Stock Unit: EA

Stock No.	Bristle Diameter, Minimum Thickness (in)	Length Out (in)
760635	9/32	1-1/8

Paint Brush, Roofing, Trim 7614.35

3-knot Tampico fiber.

Stock Unit: EA

Stock No.	Bristle Diameter, Minimum Thickness (in)	Length Out (in)
760675	–	3-1/4

Wire Brush, Carbon Steel 7614.45

For general use.

Stock Unit: EA

Stock No.	Wire Rows, Columns
760720	2 x 17
760722	4 x 16

Wire Brush, Stainless Steel 7614.45

For cleaning aluminum bus connections.

Stock Unit: EA

Stock No.: 760740

Drill Bits, Fractional Sizes, Twist, High-Speed 7615.1

Straight shank, jobber's lengths.

Stock Unit: EA

Stock No.	Size (in)	Stock No.	Size (in)
761504	3/64	761520	19/64
761505	1/16	761521	5/16
761506	5/64	761522	21/64
761507	3/32	761523	11/32
761508	7/64	761524	23/64
761509	1/8	761525	3/8
761510	9/64	761526	25/64
761511	5/32	761527	13/32
761512	11/64	761528	27/64
761513	3/16	761529	7/16
761514	13/64	761530	29/64
761515	7/32	761531	15/32
761516	15/64	761532	31/64
761517	1/4	761533	1/2
761518	17/64	761535	17/32
761519	9/32		

Drill Bits, Fractional Sizes 7615.25

Drill bits are used to drill holes in ferrous and nonferrous materials of low-to-medium tensile strength.

Drill bits are also known as twist drills.

Product details:

- High speed steel
- 1/2-in shank diameter
- 6-in overall length
- 3-1/8-in flute length
- 118-degree angle, split point style
- "Three flats" shank type
- Right hand spiral-cut rotation
- Bronze and black oxide finish

Stock Unit: EA

Stock No.	Size (in)
761681	9/16
761684	5/8
761687	3/4

Bit, Hollow 7615.31

Hollow bits are used for virtually dust-free drilling in concrete when used with a Hilti TC series rotary hammer drill and Hilti VC vacuum cleaner.

Rotary hammer drills and portable vacuum cleaners are obtained from the Tool Rooms.

Stock Unit: EA

Stock No.	Drill bit diameter (in)	Length (in)
014491	1/2	13
014492	5/8	14

Drill Bits, Wire Gauge Sizes, Twist, High-Speed 7616.1

Straight shank, jobbers lengths.

Stock Unit: EA

Stock No.	Gauge	Stock No.	Gauge
761601	1	761632	32
761602	2	761633	33
761603	3	761634	34
761604	4	761635	35
761605	5	761636	36
761606	6	761637	37
761607	7	761638	38
761608	8	761639	39
761609	9	761640	40
761610	10	761641	41
761611	11	761642	42
761612	12	761643	43
761613	13	761644	44
761614	14	761645	45
761615	15	761646	46
761616	16	761647	47
761617	17	761648	48
761618	18	761649	49
761619	19	761650	50
761620	20	761651	51
761621	21	761652	52
761622	22	761653	53
761623	23	761654	54
761624	24	761655	55
761625	25	761656	56
761626	26	761657	57
761627	27	761658	58
761628	28	761659	59
761629	29	761660	60
761630	30	761665	65
761631	31		

Drill, Portable Electric, 3/8-Inch 7617.25

Portable electric drills are used with drill bits to create holes in wood, masonry, and light-gauge steel.

Portable electric drill features include:

- 3/8-in chuck size
- Variable Speed Reverse (VSR)
- Two-finger trigger
- Metal gear housing
- 8-ft long cord with a 3-wire grounded plug
- Rated 7.0 A, 120 Vac
- 0–1250 rpm, no load speed

Stock Unit: EA

Stock No.: 761364

Vacuum Bag and Filters for Hilti VC 75-1-A22 Portable Vacuum Cleaners — 7617.32

For use with Hilti VC 75-1-A22 portable vacuum cleaners.

Suitable for dry applications only.

Portable vacuum cleaners are obtained from the Tool Rooms.

Stock Unit: EA

Stock No.	Description
014493	Vacuum bag
014495	HEPA filter

Auger Bits, Hollow, Wood Pole, 18-Inch — 7617.35

Used on utility wood poles for drilling holes through the pole to accommodate pole attachments such as crossarms and transformers.

Can be used to drill into creosoted poles without clogging, binding, or stopping to clear chips.

Intended for use with impact wrench drills.

Stock Unit: EA

Stock No.	Flute Diameter (in)
760352	9/16
760356	11/16
760360	13/16
760362	1-1/6

Auger Bits, Solid Center, Wood Pole, 7-1/2 Inch 7617.37

7-1/2-inch, solid center auger bits are used on utility wood poles for drilling through crossarms to mount hardware or equipment.

7-1/2-inch, solid center auger bits are for use with hand and electric drills.

Stock Unit: EA

Stock No.	Flute Diameter (in)
760554	1/4
760555	5/16
760556	3/8
760557	7/16
760558	1/2
760559	9/16
760560	5/8
760562	3/4
760563	13/16
760564	1

Flag, Warning 7624.10

Use with Staff, Stock No. 762408 or 762409.

Stock Unit: EA

Stock No.	Size (in)
762407	16 x 16

Staff, Warning Flag, PVC 7624.11

Schedule 80 PVC.

Use with Warning Flag, Stock No. 762407.

Stock Unit: EA

Stock No.	Size (in)
762408	1/2 x 30
762409	3/4 x 30

Sign and Stand, Traffic Control, Collapsible, Diamond Shaped — 7624.19

48-inch, diamond shaped, collapsible, traffic control sign and stand.

Traffic control signs are used in work zone areas to provide visible notification of ongoing work, road or lane closure, detours, and as required by traffic control plans.

Signs and stands are easily collapsible and portable for storage and mobility.

Stock Unit: EA

Stock No.	Description
012569	“BE PREPARED TO STOP” with cross-brace
012570	“DOUBLE TRANSITION” with cross-brace
761173	“UTILITY WORK AHEAD” with cross-brace
761174	“ROAD CLOSED AHEAD” with cross-brace
761176	“ONE LANE ROAD AHEAD” with cross-brace
761177	“RIGHT LANE CLOSED AHEAD” with “LEFT” overlay with cross-brace
761178	FLAGGER (symbol) with cross-brace
761180	SIGN STAND, dual spring base and kick-release legs

Traffic Control Paddle Kit, Roll-Up — 7624.23

STOP/SLOW” traffic control paddle kit, roll-up type. Kit includes signs, handle, staff and bag.

Traffic control paddles are used by job site personnel to assist with traffic control. Sign can be mounted on handle or staff.

Stock Unit: EA

Stock No.: 765188

Tape, Barricade 7624.27

Used to create visible barriers and cordon off areas that are deemed unsafe. Yellow barricade tape is for marking clearance areas.

Product details:

- Made of 3 mil (nominal) polyethylene
- 3 inches wide
- Continuous repeat of message or warning
- Black printing
- OSHA 1910.144 compliant

Stock Unit: RL

Stock No.	Description
761150	White, Tape, Barricade, “Danger Asbestos Hazard”
761152	Red, Tape, Barricade, “Danger Hazardous Area”
761154	Yellow, Tape, Barricade, Black Diagonal Stripes
014699	Tape, barricade, “Danger”, reflective day and night, red
014700	Tape, barricade, “Caution”, reflective day and night, yellow

Flag, Fluorescent Red, with Staff and Mounting Clamp 7624.31

Flags are used as additional visual aids for creating awareness of existing signs or equipment.

Stock Unit: EA

Stock No.: 762405

Ice Scraper, Window, Automotive 7624.33

Product details:

- 10-inch overall length, nominal
- 4-inch wide blade, nominal
- Flat compact design for storage
- Made of high-density polyethylene material

Stock Unit: EA

Stock No.: 764688

Grounding Connector, Clamp and Ball Ground, Ball Socket Clamp — 7632.30

Ball socket clamp, copper alloy, ASTM Grade 5, 1” socket, with strain relief, for 5/8” -11 threaded ferrule

Grounding connectors are used to construct personal protective grounds used by Operating personnel on the transmission and distribution systems.

Ball and socket grounding systems are rated) at 30 kA for 30 cycles. At locations where the fault duty exceeds this value, the ground systems must be used in parallel, if they are to be used at all. Use only copper ferrules with copper or bronze clamps.

Stock Unit: EA

Stock No.: 650210

Grounding Connector, Clamp and Ball Ground, Ball Stud — 7632.30

Grounding connectors are used to construct personal protective grounds used by Operating personnel on the transmission and distribution systems.

Ball and socket grounding systems are rated) at 30 kA for 30 cycles. At locations where the fault duty exceeds this value, the ground systems must be used in parallel, if they are to be used at all. Use only copper ferrules with copper or bronze clamps.

Stock Unit: EA

Stock No.	Description
650215	Ball stud, short, copper alloy, 1” ball, tin-plated, 4-3/8” long with 1/2”-13 UNC x 2” thread
650220	Ball stud, long, copper alloy, 1” ball, 6-1/8” long with 1/2”-13 UNC x 2” thread, tine-plated, For use with ball socket clamp of 2-3/4” or less wide copper duckbill clamp.
650225	Ball stud, copper alloy, 1” ball, offset, Tin-Plated, with 2-hole NEMA pad, 5-1/8” x 1-1/2”

Grounding Connector, Clamp and Ball Ground, Ball Stud Cover — 7632.30

Cover, orange SALCOR, For 1” ball stud.

Grounding connectors are used to construct personal protective grounds used by Operating personnel on the transmission and distribution systems.

Ball and socket grounding systems are rated) at 30 kA for 30 cycles. At locations where the fault duty exceeds this value, the ground systems must be used in parallel, if they are to be used at all. Use only copper ferrules with copper or bronze clamps.

Stock Unit: EA

Stock No.: 650230

Grounding Connector, Clamp and Ball Ground, Grounding Clamp — 7632.30

Grounding connectors are used to construct personal protective grounds used by Operating personnel on the transmission and distribution systems.

Ball and socket grounding systems are rated) at 30 kA for 30 cycles. At locations where the fault duty exceeds this value, the ground systems must be used in parallel, if they are to be used at all. Use only copper ferrules with copper or bronze clamps.

Stock Unit: EA

Stock No.	Description
650205	Grounding clamp, ASTM Grade 5, aluminum, 1.66” wide, serrated jaw with strain relief sleeve, Continuous current Rating: 400 A, “Duck Bill”, spring loaded, use with 650245 and 615500

650212	Grounding clamp, ASTM Grade 5, aluminum, “C” type, 1.5” wide, serrated jaw, with strain relief sleeve. Salisbury Catalog No. 1895 is an acceptable substitute if No. 1893 is not available

Grounding Connector, Clamp and Ball Ground, Ferrule 7632.30

Grounding connectors are used to construct personal protective grounds used by Operating personnel on the transmission and distribution systems.

Ball and socket grounding systems are rated) at 30 kA for 30 cycles. At locations where the fault duty exceeds this value, the ground systems must be used in parallel, if they are to be used at all. Use only copper ferrules with copper or bronze clamps.

Stock Unit: PR

Stock No.	Description	
650235	Ferrule, copper, ASTM Grade 3, For 2/0 grounding cable, with 5/8-11 threaded stud	
650240	Ferrule, copper, ASTM Grad 5, For 4/0 grounding cable, with 5/8-11 threaded stud	
650245	Ferrule, aluminum, ASTM Grade 5, For 4/0 grounding cable, with 5/8-11 threaded stud	

Grounding Connector, Clamp and Ball Ground, Grounding Cable 7632.30

Grounding connectors are used to construct personal protective grounds used by Operating personnel on the transmission and distribution systems.

Ball and socket grounding systems are rated) at 30 kA for 30 cycles. At locations where the fault duty exceeds this value, the ground systems must be used in parallel, if they are to be used at all. Use only copper ferrules with copper or bronze clamps

Stock Unit: FT

Stock No.	Description	
615500	Cable, grounding, #4/0 Cu., soft drawn, 2000 or more strands, yellow thermoplastic elastomer jacketed, ASTM F855 Type I	
615505	Cable, grounding, #4/0 Cu. soft drawn, 2000 or more strands, clear flexible thermoplastic (PVC) jacketed, ASTM F855 Type III	

Cover-Up System 7633.20

Orange, elastomer, Salisbury extended lip SU cover-up system for use on voltages through 34.5 kV. Class 4, Type II.

Stock Unit: EA

Stock No.	Style	Weight (lb)
012831	SU system connector, for 2.5 in dia. hose	3
012832	Straight line hose, 2.5 in dia. x 4.5 ft.	11
012833	Post type insulator cover, fits 2.5 in dia. hose	8

Insulator Cover 7633.20

Orange, elastomer, conventional insulator cover for use on voltages through 26.4 kV. Class 2, 5 lb.

For use with 55-1, 55-2, and 55-3 insulators.

Stock Unit: EA

Stock No.: 012834

Line Hose, Insulating Rubber 7633.20

Connector end type. Type II. Line hose remains flexible in sub-zero temperatures. Packaged one hose per package.

Stock Unit: EA

Stock No.: 763302

Blanket, Insulating, Rubber, Orange 7633.20

Insulating, orange, EPDM rubber blanket, Class 4, Type II, beaded edge with molded eyelets. Used as a portable protective device to guard against accidental contact with live electrical conductors.

Ozone-resistant.

Blanket meets the applicable requirements of the most current revision of ASTM D1048.

Stock Unit: EA

Stock No.	Size (in)
763325	18 x 18
763326	18 x 36
763327	36 x 36

Blanket, Insulating, Rubber, Low-Voltage, Yellow 7633.20

Insulating, yellow, EPDM rubber blanket, Class 0, Type II, with Velcro fasteners around perimeter.

Ozone-resistant.

Blanket meets the applicable requirements of the most current revision of ASTM D1048.

Stock Unit: EA

Stock No.	Size (in)
763325	18 x 18
763326	18 x 36
763327	36 x 36

Blanket, Insulating, Slotted Style 7633.20

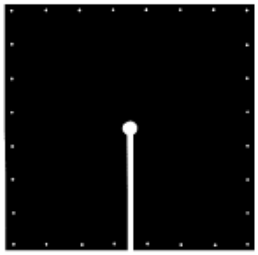
Insulating, slotted, black EPDM rubber blanket, Class 4, Type II, with 28 eyelets. Used for covering ridge pins, cross arms with insulators, or any place a wire, pin or projection interferes with proper placement of other cover-up devices.

Ozone-resistant.

Dimensions: 22 in x 22 in

Weight: 2.5 lb

Blanket meets the applicable requirements of the most current revision of ASTM D1048.



Stock Unit: EA

Stock No.: 012836

Blanket Clamp Pin 7633.20

Used to hold insulating blankets and rubber cover-ups in place.

Jaw opening: 1.6 inches.

Stock Unit: EA

Stock No.: 582532

Gloves, General Purpose, Leather 7634.17

General purpose, cowhide and goatskin leather gloves. Goatskin gloves are available with or without a 4-inch gauntlet. General purpose gloves are worn to protect hands against cuts, abrasions, and punctures.

General purpose gloves are not appropriate for use as protectors over insulating rubber gloves or for any sort of protection against hazardous voltage.

Cowhide gloves are durable and warmer than goatskin but are prone to get stiff after being wet. Cowhide gloves are not washable.

Goatskin gloves are durable, supple, and waterproof, but do not retain heat as well as cowhide. Goatskin gloves are washable. Because goatskin gloves do not stretch, they must fit on first try.

Stock Unit: PR

Stock No.	Size	Style
013189	Small	Cowhide
013190	Medium	"
013191	Large	"
013192	Extra-Large	"

013193	7	Goatskin
013194	8	"
013195	9	"
013196	10	"
013197	11	"
013198	12	"
013199	13	"

Glove Protector, Class 0 Leather (Keepers) 7634.20

Class 0 leather protector gloves, also known as keepers, are worn over rubber insulating gloves to protect against cuts, abrasions, and punctures.

Rubber insulating gloves shall not be used without leather protector gloves. Leather protector gloves shall not be used alone for protection against electric shock.

Length of all protectors is 13 inches.

Stock Unit: PR

Stock No.	Size
014341	7
014348	7-1/2
014342	8
014344	9
014345	9-1/2
013260	10
014346	10-1/2
013261	11
014347	12

Glove Protector, Class 2 Leather (Keepers) 7634.21

Class 2 leather protector gloves, also known as keepers, are worn over rubber insulating gloves to protect against cuts, abrasions, and punctures.

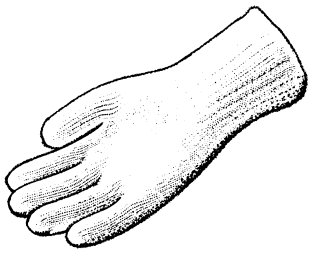
Rubber insulating gloves shall not be used without leather protector gloves. Leather protector gloves shall not be used alone for protection against electric shock.

Stock Unit: PR

Stock No.	Size
763353	8
763350	8-1/2
763354	9
763351	9-1/2
763355	10
763352	10-1/2
763356	11
763357	12

Glove Liner 7634.3

100 percent cotton knit. For cold weather protection and to reduce discomfort of lineworkers' rubber or leather gloves (keepers).



Stock Unit: PR

Stock No.	Size
110134	Women’s
110135	Men's

Rubber Insulating Gloves, Class 0 7634.60

Class 0 gloves are only appropriate for use on systems rated 1000 V or less. Refer to WAC 296-45 and ASTM F-496, Section 3 for more information.

Length of all gloves is 14 inches.

Stock Unit: PR

Stock No.	Size
014333	7
014334	8
014336	9
013258	9-1/2
014337	10
013259	10-1/2
014338	11
014339	12

Rubber Insulating Gloves, Class 2 — 7634.62

In Washington State, insulating rubber gloves are only appropriate for use as a secondary layer of personal protection for the purpose of guarding against accidental contact with primary voltage.

Class 2 gloves are only appropriate for use on systems rated 26.4 kV (line-to-line) or less. Refer to WAC 296-45 and ASTM F-496, Section 3 for more information.

Stock Unit: PR

Stock No.	Size
012924	8
012925	8-1/2
012926	9
012927	9-1/2
012928	10
012929	10-1/2
012930	11
012932	12

Pliers, Flush-Cut — 7637.09

Used on materials such as wires, tie wraps, and plastics to produce a precise, flat cut.

Stock Unit: EA

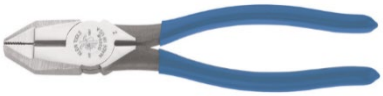
Stock No.: 014924

Pliers, Slip-Joint and Lineman's 7637.12

Slip-joint pliers are used for gripping and turning small pipes, rods, studs, pins, wires, and connections.
Lineman's pliers are used for shaping and cutting copper, aluminum, and soft-steel wire.

Stock Unit: EA

Stock No.	Description
764745	Pliers, 6", Combination, Slip-Joint ▪ Drop-forged alloy steel ▪ Curved jaw ▪ Chrome-plated finish ▪ Hardened teeth ▪ Two locking jaw positions
764747	Pliers, 8", Combination, Slip-Joint ▪ Drop-forged alloy steel ▪ Curved jaw ▪ Chrome-plated finish ▪ Hardened teeth ▪ Two locking jaw positions
764749	Pliers, 10", Combination, Slip-Joint ▪ Drop-forged alloy steel ▪ Curved jaw ▪ Chrome-plated finish ▪ Hardened teeth ▪ Two locking jaw positions
764764	Pliers, 8", Lineman's, Side-Cutting ▪ Drop-forged alloy steel ▪ Hot-riveted joint ▪ Plastic-dipped handle ▪ Square nose
764772	Pliers, 9", Lineman's, Side-Cutting ▪ Drop-forged alloy steel ▪ Hot-riveted joint ▪ Plastic-dipped handle ▪ High-leverage design ▪ Square nose
764773	Pliers, 9", Lineman's, Side-Cutting, with Connector Crimper ▪ Drop-forged alloy steel ▪ Hot-riveted joint ▪ Plastic-dipped handle ▪ High-leverage design ▪ Round nose
763470	Replacement Pliers Handles, 8"- 9" ▪ Red plastic ▪ Slip-resistant ▪ Comfort grip



Hand-Crimping Tool, PIDG Terminals and Splices 7637.15

Hand-crimping tools are used for all internal control wire terminations in SCL substations.

Hand-crimping tools are designed to crimp red (22-18), blue (16-14), and yellow (12-10) AMP/TE PIDG ring-tongue terminals described in SCL 6771.30.

Stock Unit: EA

Stock No.: 015010

Screwdriver, Slotted Head 7637.17

Hand tool used to turn screws for tightening or loosening screws.

Slotted-head screwdrivers are also known as flat-head, straight bit, or standard tip screwdrivers.

Stock Unit: EA

Stock No.	Shank Size (in)	Blade Size (in)	Tip Style
765110	3	3/16	Cabinet
765112	4	1/4	Keystone
765116	6	5/16	Keystone
765118	8	3/8	Keystone
765120	10	3/8	Keystone

Screwdriver, Phillips 7637.17

Hand tool used to turn screws for tightening or loosening screws.

Phillips screwdrivers have a star-shaped, or cross-slotted, tip.

Stock Unit: EA

Stock No.	Shank Size (in)	Point No.
765127	3	1
765129	4	2
765131	6	3
765133	8	4

Wrench, Open-End, Adjustable 7637.22

Adjustable, open-end wrenches are hand tools used to turn nuts and bolts for tightening or loosening.

Product details:

- Drop-forged alloy steel
- I-beam style handle, plain
- Chrome or satin finish
- Hole in handle for hanging
- Square jaw opening

Stock Unit: EA

Stock No.	Size (in)
766140	4
766145	6
766150	8
766155	10
766160	12
766162	15

Wrench, Pipe, Adjustable 7637.22

Pipe wrenches are hand tools used to turn pipe and tighten and loosen threaded pipe connections with round threaded fittings.

Pipe wrench attributes include:

- Ductile-iron housing
- Straight style
- I-beam style handle
- Red color housing and handle
- Adjustable full-floating alloy steel forged hook jaw
- Self-cleaning threads
- Hole in handle for hanging
- Replaceable hook and heel jaws

Stock Unit: EA

Stock No.	Size (in)
766175	10
766180	14
766185	18
766190	24

Sockets, 1/2-Inch Square Drive, Regular Depth 7637.27

1/2" square drive sockets, regular depth.

Regular-depth sockets are also known as shallow sockets.

Sockets are used with a compatible socket wrench to turn nuts and bolts for tightening or loosening.

12-point sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.

8-point sockets are ideal for quick engagement on 4-point fasteners.

Stock Unit: EA

Stock No.	Size (in)	No. of Points
765263	1/2	8
765264	9/16	"
765265	5/8	"
765267	3/4	"
765268	13/16	"
765276	7/16	12
765277	1/2	"
765278	9/16	"
765279	5/8	"
765280	11/16	"
765281	3/4	"
765282	13/16	"
765283	7/8	"
765284	15/16	"
765285	1	"
765286	1-1/16	"
765287	1-1/8	"
765289	1-1/4	"

Sockets, 1/2-Inch Square Drive, Deep Well 7637.27

/2" square drive sockets, deep well.

Sockets are used with a compatible socket wrench to turn nuts and bolts for tightening or loosening.

12-point sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.

8-point sockets are ideal for quick engagement on 4-point fasteners.

Stock Unit: EA

Stock No.	Size (in)	No. of Points
765294	7/16	12
765295	1/2	"
765296	9/16	"
765297	5/8	"
765306	11/16	"
765299	3/4	"
765300	13/16	"
765301	7/8	"
765307	15/16	"
765303	1	"
765304	1-1/16	"
765305	1-1/8	"

Hex Keys, Short Arm, SAE 7637.32

Hex keys are hand tools used to turn fasteners with hexagonal socket heads. Also known as hex or Allen wrenches.

SAE (Society of Automotive Engineers) indicates the “English Standard” system of measurement (fractional, not metric).

Stock Unit: EA

Stock No.	Size (in)
766205	3/32
766206	1/8
766207	5/32
766208	3/16
766215	7/32
766209	1/4
766210	5/16
766211	3/8

File Handle 7637.41

Fits onto tanged files for better handling and improved safety when using a hand file.

Stock Unit: EA

Stock No.	Compatible File Length (in)
763905	3 to 6
763906	4 to 8
763907	6 to 10
763908	12 to 14

File Card with Brush 7637.41

Used to clean files. Regular cleaning prevents clogging of files that can cause slipping, scratching, or other filing inefficiencies.

Stock Unit: EA

Stock No. 760880

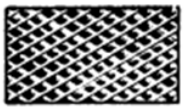
File, Round, Double Cut, Regular 7637.46

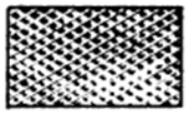
Used for enlarging and shaping holes that are too small for a half round file.

Round files are also known as “rat tail” files.

Stock Unit: EA

Stock No.	Diameter (in)	Length (in)	Coarseness
762142	5/32	4	Bastard
762143	7/32	6	"
762144	5/16	8	"
762145	3/8	10	"
762146	1/2	12	"
762147	5/8	14	"
762153	7/32	6	Second cut
762156	1/2	12	"
762163	7/32	6	Smooth
762164	5/16	8	"





File, Round, Double Cut, Chain Saw 7637.46

Used for sharpening chain saw chain and the edges of metal tools.

Round files are also known as “rat tail” files.

Stock Unit: EA

Stock No.	Diameter (in)	Length (in)
761985	5/32	8
761982	3/16	"
761984	7/32	"

File, Half-Round, Double Cut 7637.51

General purpose, half-round, double cut files can be used for filing out concave surfaces and crevices, and for rounding out holes. The spiral cut enables them to remove metal rapidly and leaves a smooth finish.

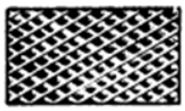
The half-round pipeline file (Stock No. 762055) can be used for filing pipeline welds and root passes, and for scale removal from pipeline.

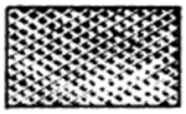
Product details:

- Made of high carbon steel
- Case hardened, except for tang
- Tanged at one end to accommodate fitted handle
- Half-round shape with a flat side
- American pattern
- Spiral-cut teeth on round side

Stock Unit: EA

Stock No.	Type	Length (in)	Coarsness
762050	General purpose	4	Bastard
762051	General purpose	6	Bastard
762052	General purpose	8	Bastard
762053	General purpose	10	Bastard
762054	General purpose	12	Bastard
762064	General purpose	12	Second cut
762073	General purpose	10	Smooth
762055	Pipeline	14	Bastard





File, Taper, Single Cut 7637.56

Used for shaping or sharpening saws with 60 degree-angle teeth.

Stock Unit: EA

Stock No.	Length	Taper
762212	4	Slim
762213	5	Slim
762214	6	Slim
762216	8	Slim
762217	10	Slim
762222	4	Extra Slim
762224	6	Extra Slim
762225	7	Extra Slim

File, Flat, Double Cut 7637.61

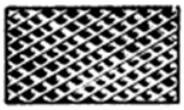
Flat files can be used on ferrous and non-ferrous metals for rapid stock removal.

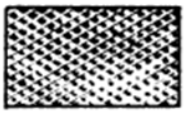
Product details:

- Made of high carbon steel
- Case hardened, except for tang
- Tanged at one end to accommodate fitted handle
- Rectangular shape
- Tapered toward the point in width
- American pattern
- Double cut on both sides
- Single cut on the edges

Stock Unit: EA

Stock No.	Length (in)	Coarseness
762000	4	Bastard
762001	6	"
762002	8	"
762003	10	"
762004	12	"
762005	14	"
762011	6	Second cut
762013	10	"
762014	12	"
762021	6	Smooth
762022	8	"
762023	10	"
762024	12	“



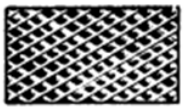


File, Mill, Single Cut 7637.66

Used for shaping or sharpening saws with 60 degree-angle teeth.

Stock Unit: EA

Stock No.	Length (in)	Coarseness
762103	4	Bastard
762104	6	"
762106	8	"
762107	10	"
762108	12	"
762109	14	"
762116	8	Second cut
761955	8	Smooth



File, Auger Bit 7637.71

Product details:

- 7-inch length
- Double-ended
- No tang

Stock Unit: EA

Stock No.: 761948

File, Cant Saw 7637.71

Product details:

- 8” length
- With tang
- Triangular shape
- Single cut
- Second cut

Stock Unit: EA

Stock No.: 761952

File, Equaling, Cut No. 0 — 7637.71

Product details:

- 4-in length
- With tang
- Rectangular shape
- Parallel width and thickness
- Double cut on sides
- Single cut on edges

Stock Unit: EA

Stock No.: 761972

File, Curved Cut — 7637.71

Product details:

- With tang
- Rectangular shape
- Pitch and rake designed to avoid pinning

Stock Unit: EA

Stock No.: 762033

Stock No.	Length (in)	Teeth per Inch
762033	10	12
762034	12	10

File, Knife, Bastard — 7637.71

Product details:

- 4-in length
- With tang
- Knife shape
- Triangular form
- Double cut sides
- Single cut on sharp edge
- Safe (uncut) back
- Taper toward the point in width and thickness

Stock Unit: EA

Stock No.:762081

File, Square — 7637.71

Product details:

- With tang
- Square shape
- Double cut
- Bastard
- Taper toward the point in width and thickness

Stock Unit: EA

Stock No.	Length (in)
762172	6
762173	8
762174	10

File, Warding 7637.71

Product details:

- 8-inch length
- With tang
- Rectangular shape
- Double cut on sides
- Single cut on edges
- Smooth
- Taper toward the point in width

Stock Unit: EA

Stock No.: 762264

File, Wood Rasp 7637.71

Product details:

- 12-inch length
- With tang
- Half-round shape
- Rasp cut on both sides
- Bastard
- Taper toward the point in width and thickness

Stock Unit: EA

Stock No.: 762274

Tap, High-Speed Steel, Taper 7637.80

Product details:

- High-speed steel (HSS)
- Straight flute
- Right hand thread
- Square shank driver
- Right hand spiral cut rotation

Stock Unit: EA

Stock No.	Size (inch or No.)	Threads Per Inch	Thread Type
765505	2	56	UNC
765507	4	40	"
765508	6	32	"
765509	8	32	"
765510	10	24	"
765512	12	24	"
765601	1/4	20	"
765602	5/16	18	"
765603	3/8	16	"
765604	7/16	14	"
765605	1/2	13	"
765607	5/8	11	"
765608	3/4	10	"
765511	10	32	UNF
765661	1/4	28	"
765662	5/16	24	"
765663	3/8	24	"
765664	7/16	20	"
765666	9/16	18	"

Tap, High-Speed Steel, Taper, Pipe 7637.80

Product details:

- High-speed steel (HSS)
- Straight flute
- Right hand thread
- Square shank driver
- Right hand spiral cut rotation

Stock Unit: EA

Stock No.	Size (inch or No.)	Threads Per Inch	Thread Type
765720	1/8	27	NPT
765721	1/4	18	"
765722	3/8	18	"
765723	1/2	14	"
765724	3/4	14	"
765725	1	11-1/2	"

Tap, High-Speed Steel, Plug 7637.80

Product details:

- High-speed steel (HSS)
- Straight flute
- Right hand thread
- Square shank driver
- Right hand spiral cut rotation

Stock Unit: EA

Stock No.	Size (Inch or No.)	Threads Per Inch	Thread Type
765525	2	56	UNC
765527	4	40	"
765528	6	32	"
765529	8	32	"
765530	10	24	"
765532	12	24	"
765621	1/4	20	"
765622	5/16	18	"
765623	3/8	16	"
765624	7/16	14	"
765625	1/2	13	"
765627	5/8	11	"
765628	3/4	10	"
765681	1/4	28	UNF
765682	5/16	24	"
765683	3/8	24	"
765684	7/16	20	"
765685	1/2	20	"
765686	9/16	18	"
765531	10	32	"

Tap, High-Speed Steel, Bottoming 7637.80

Product details:

- High-speed steel (HSS)
- Straight flute
- Right hand thread
- Square shank driver
- Right hand spiral cut rotation

Stock Unit: EA

Stock No.	Size (Inch or No.)	Threads Per Inch	Thread Type
765547	4	40	UNC
765548	6	32	"
765549	8	32	"
765550	10	24	"
765552	12	24	"
765641	1/4	20	"
765642	5/16	18	"
765643	3/8	16	"
765644	7/16	14	"
765645	1/2	13	"
765647	5/8	11	"
765648	3/4	10	"
765551	10	32	UNF
765701	1/4	28	"
765702	5/16	24	"
765703	3/8	24	"
765704	7/16	20	"

Cutters and Replacement Cutterheads 7637.85

industrial-quality cutters and replacement cutterheads (jaws).

Cutters are also known as wire cutters, bolt cutters, and cable cutters.

Stock Unit: EA

Stock No. **Description**

761216 For cutting:

- 3/8" guy wire
- aluminum wire
- rubber covered wire
- copper wire

761221 For cutting:

- 7/16" hard steel
- stainless steel
- rebar
- tempered spring wire
- 1/2-inch hard guy strand

761227 For shearing:

- 3/8" wire rope
- soft steel rods or bolts
- 954 kcmil ACSR
- 1000 kcmil all-aluminum or copper cable
- 1-3/16" telephone cable
- 1/2" common steel strand

Cutter Replacement Jaws 7637.85

- Replacement jaws for metal or wire cutters. Also known as cutterheads.

Stock Unit: EA

Stock No.	Description
764110	Cutterhead, replacement for Stock No. 761216
764120	Cutterhead, replacement for Stock No. 761221

Knife, Hawkbill, Folding 7637.90

Used to for cutting, scoring, and removing insulation from wire or cable.

Product details:

- Blade material: stainless steel
- Blade length: 2-1/2 inches, nominal
- Overall length: 7 inches

Knife is equipped with an accessory ring on the handle and a belt clip for hanging and attaching purposes.

Knife features a press-and-flip mechanism for easy, one-handed opening.

Stock Unit: EA

Stock No.	Handle Material
014693	Plastic
014950	Stainless steel

Skinning Knife 7637.91

Used to remove insulation from wire or cable.

Includes accessory ring on handle for hanging or attaching purposes.

Stock Unit: EA

Stock No.	Description	Blade Length (in)	Handle Length (in)	Overall Length (in)	Blade Width (in)
764220	Knife, steel, with wooden handle	3	4.5	7.5	1
012244	Knife, steel, with ergonomic rubber handle	2.75	5.5	8.25	1

Swivel Snaps 7637.93

Swivel snaps are used with hand lines. Zinc-plated swivel snaps are for attaching tools, such as skinning knives, to belts.

Stock Unit: EA

Stock No.	Description
765205	3/4-inch swivel eye snap
765220	1-inch swivel eye snap
014496	1-3/16-inch swivel eye snap
014497	4-3/8-inch swivel hook snap

Handline Hook 7637.93

Handline hooks are used with hand lines.

Stock Unit: EA

Stock No.	Description
014498	5-1/2-inch handline hook

Swivel, Forged 7637.95

Forged swivels are also known as eye and eye swivels.

Note: Swivels are positioning devices and are not intended to rotate under load.

Stock Unit: EA

Stock No.: 765410

Hammers, Hand 7638.1

Forged-steel head, fiberglass handle.

Stock Unit: EA

Stock No.	Type	Head Weight	Approx. Handle Length (in)
763830	Ball peen	16 oz	13
763840	Straight claw	20 oz	14
763842	Straight claw	22 oz	16
763845	Curved claw	16-20 oz	14
763850	Eng. D.F.	2 lb	14
763852	Eng. D.F.	3 lb	14
763860	Sledge	8 lb	32-36
763870	Sledge	12 lb	32
764435	Maul	8 lb	36

Handle, Railroad Pick, Hickory 7638.2

36-in long, Type V, Class 1, Grade AA.

Stock Unit: EA

Stock No.: 763955

Hatchet 7638.30

A heavy-duty striking tool with beveled cutting edges, used for chipping or hacking woody vegetation.

Product details:

- Overall length: 14-5/8 in
- Cut length: 3-1/2 in
- Head: 20 oz, forged steel with epoxy finish
- Handle: hickory

Stock Unit: EA

Stock No.: 760022

Axe, Classic 7638.30

A heavy-duty striking tool with beveled cutting edges, used for chipping or hacking woody vegetation.

Product details:

- Overall length: 36 in
- Weight: 3-1/2 lb nominal
- Head: drop forged carbon steel
- Handle: fiberglass with rubber grip
- Michigan pattern

Stock Unit: EA

Stock No.: 760026

Manure Fork 7638.30

Product details:

- 6 oval tines, 12-1/2-in length
- Forged steel tines with bent pattern
- Steel ferrule
- Handle: hardwood, 4 ft length

Stock Unit: EA

Stock No.: 762855

Machete with Scabbard 7638.30

A heavy-duty striking tool with beveled cutting edges, used for chipping or hacking woody vegetation.

Product details:

- Machete weight: 22 oz
- Machete length: 22 in
- Blade: carbon steel
- Handle: anti-slip plastic
- Scabbard: stitched and riveted nylon with belt clip and loop

Stock Unit: EA

Stock No.: 764425

Peavey 7638.30

Used for gripping, maneuvering, and repositioning wooden utility poles.

Product details:

- Handle size: 2-1/4 in x 4 ft
- Hook size: 1 in x 7/16 in x 12 in
- Opening: 8-1/2 in nominal
- Handle material: hardwood with lacquer finish
- Hook material: carbon steel, powder-coated

Stock Unit: EA

Stock No.: 764718

Pick (head only) 7638.30

Used for digging in hard-packed earth, particularly for long or deep ditches.

Product details:

- Point and chisel end
- Size 6 eye
- Forged steel
- Weight: 5 lb

Stock Unit: EA

Stock No.: 764725

Lopper, Compound Bypass 7638.30

Product details:

- Shears up to 1-1/2 inches
- Handle length: 28 inches
- Handle material: aluminum with anti-slip grip
- Blade: high-carbon steel

Stock Unit: EA

Stock No.: 762890

Lopper, Classic Cut Bypass 7638.30

Product details:

- Shears up to 2-1/4 inches
- Handle length: 32 inches
- Handle material: wood with anti-slip grip
- Blade: high-carbon steel

Stock Unit: EA

Stock No.: 762892

Rake, Garden 7638.30

Product details:

- 15 tines, bow
- Forged steel
- Steel ferrule
- Handle: hardwood, 66 inches

Stock Unit: EA

Stock No.: 762910

Rake, Lawn 7638.30

Product details:

- 22 tines, steel
- Coil-spring brace
- Steel ferrule
- Handle: hardwood, long

Stock Unit: EA

Stock No.: 762920

Shovel, Round Point 7638.30

Product details:

- Blade length: 12 in
- Blade material: 14-gauge steel
- Handle: hardwood, long

Stock Unit: EA

Stock No.: 765162

Shovel, Square Point — 7638.30

Product details:

- Blade length: 12 in
- Blade material: 14-gauge steel
- Handle: hardwood, long

Stock Unit: EA

Stock No.: 765164

Shovel, Scoop — 7638.30

Product details:

- Scoop type: square-point, steel
- Scoop size: 17 in x 12 in
- Eastern pattern, hollow-back
- Handle: hardwood, long

Stock Unit: EA

Stock No.: 765170

Wedge, Tool Handle — 7638.30

Used for securing wooden handles onto heads of hammers, axes, hatchets, and other tools.

Product details:

- 5/32 in x 1-1/16 in x 1/2 in
- Steel
- Barbed edge
- Size: #5
- 2-pack

Stock Unit: EA

Stock No.: 723752

Shovels, Snow, Pusher-Type 7638.37

Used for clearing light to medium accumulations of snow on walkways and driveways.

Pusher-type shovels act like a snowplow to quickly move large amounts of snow. These shovels perform best in 3 inches of snow or less.

Traditional shovels feature a mostly flat, 18- to 24-inch rectangular blade that is best suited for clearing snow from sidewalks and smaller areas that push shovels can't access.

Product details:

- Blade material: polyethylene
- Blade design: pusher
- Blade width: 24 inches
- Handle type: D-grip, straight
- Handle length, nominal: 45 inches

Stock Unit: EA

Stock No.: 014667

De-Icer Spreader, Handheld 7638.45

De-icer spreaders are used to spread granular de-icer or rock salt onto sidewalks, driveways, and steps.

Product details:

- 80 oz capacity, nominal
- Adjustable hole openings for spreading material
- Screw-on lid
- Durable plastic (polyethylene) construction
- Ergonomic handles, capable for use with heavy gloves
- Includes a set of instructions

Stock Unit: EA

Stock No.: 014673

Water / Garden Hose 7638.75

Product details:

- 5/8 in x 50 ft
- All-weather, garden type
- Nylon reinforced vinyl
- Gray color
- 500 PSI burst strength
- Abrasion-resistant surface
- Suitable for use during winter or summer temperatures
- Heavy gauge brass couplings
- Protective collar to prevent kinks near faucet
- Multi-layer construction with reinforced core

Stock Unit: EA

Stock No. 764050

Water / Garden Hose Nozzle, Adjustable 7638.75

Product details:

- Twist type
- 3-5/8-in length
- Brass
- Connection, garden hose thread (GHT)
- Maximum pressure, 150 psi
- Maximum temperature, 100°F

Stock Unit: EA

Stock No.: 713083

Water / Garden Hose Clamps, Worm Drive 7638.75

Used to attach and seal a hose onto another fitting.

Stock Unit: EA

Stock No.	Description
711431	▪ 3/8 in ▪ Clamp range 3/8 in to 7/8 in ▪ 1/2-in band width ▪ 5/16-in hex head ▪ 201-301 stainless steel band and housing ▪ 410 stainless steel screw ▪ Installation torque, 35 in-lb. (4.0 Nm)
711440	▪ 3/4 in ▪ Clamp range 3/4 in to 1-3/4 in ▪ 1/2-in band width ▪ 5/16-in hex head ▪ 201-301 stainless steel band and housing ▪ 410 stainless steel screw ▪ Installation torque, 35 in-lb. (4.0 Nm)
676315	▪ Quick release ▪ Clamp range, 2 in to 6 in ▪ 9/16-in band width ▪ 3/8-in hex head ▪ 200 stainless steel band and housing, ▪ Bridge, 410 stainless steel bridge and screw ▪ Installation torque, 30 in-lb. (3.4 Nm)

Rubber Washer, Water / Garden Hose 7638.75

3/4-in diameter, professional grade or heavy duty rated.
Used to prevent water leakage by providing a positive seal.

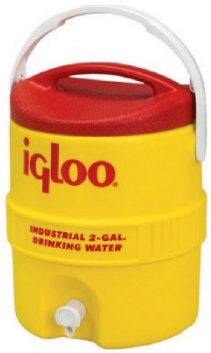
Stock Unit: EA

Stock No.: 712212

Water Cooler 7638.80

Industrial-quality water cooler, plastic.

Used to transport and seal drinkable liquid for hydration at jobsite or in the shop.



Stock Unit: EA

Stock No.	Capacity
764145	2-gallon
014817	5-gallon

Propane Torches and Accessories 7639.45

Torches with an appropriate tip are used for heat-shrinking cable splices. Also known as burners.

Stock Unit: EA

Stock No.	Description
726515	Tank, 14.1 oz, propane: ▪ Disposable ▪ Non-refillable ▪ CGA-600 connection

765877	Handle, propane torch: ▪ Work pressure, 1–4 bar ▪ Built-in Igniter ▪ Swivel hose nipple ▪ Bayonet fitting for burners

765897	Torch, assembly, propane: ▪ Includes tip and handle ▪ 30,000 BTU/hr ▪ Built-in igniter ▪ Burner tip diameter, 1.5 in ▪ Working pressure, 0.5–2 bar

765878	Torch, 1.5 in burner tip, propane: ▪ 40,000 BTU/hr ▪ Burner tip diameter, 1.5 in ▪ Working pressure, 2 bar ▪ Gas consumption, 1.98 lb/hr

765879	Torch, 2 in diameter burner tip, propane: ▪ 89,000 BTU/hr ▪ Working pressure, 2 bar ▪ Gas consumption, 4.4 lb/hr

Wire, Solder 7639.65

Tin-lead solders (Stock Nos. 728504 and 728536) can be used to join copper and most copper alloys, lead, nickel alloys and steel. Use for general purpose soldering and electrical applications. Lead-bearing solders are not to be used in potable water systems.

Silver solder (Stock No. 728514) is useful in brazing electrical connections and as a cadmium free replacement for 50% silver alloys. It has a wide melting range suitable for bridging gaps where poor fit-ups are encountered.

Stock Unit: EA

Stock No.	Description
728504	Product details: ▪ 50/50, 3/32 in ▪ Solidus, 361°F ▪ Liquidus, 421°F ▪ 1-lb spool
728536	Product details: ▪ 40/60, 1/8 in ▪ Solidus 361°F ▪ Liquidus 448°F ▪ 1-lb spool
760514	Product details: ▪ 50% silver brazing alloy ▪ Cadmium free ▪ Solidus, 1270ºF ▪ Liquidus, 1425°F ▪ #5035 – 5 coil per pack ▪ #5031 – 1 coil per pack

Brush, Acid 7639.65

Product details:

- No. 1
- Width, 3/8 in
- Length, 6 in
- Trim, 3/4 in
- Flat brush, stiff horsehair or bristle rifling
- Metal handle

Stock Unit: EA

Stock No.: 760625

Candle, Plumber's 7639.65

Product details:

- Length, 5 in
- Diameter, 1-1/4 in

Stock Unit: EA

Stock No.: 768016

Welding Blanket 7639.75

Welding blankets are used for surface protection against molten metal, sparks, and spatter.

Product details:

- Roll width, 36 in
- Length, 50 yards
- 0.03 in thick
- 1800°F working temperature
- 3000°F melt temperature

Stock Unit: EA

Stock No.: 760620

Spark Lighter 7639.75

Spark lighters used to ignite welding torches.

Product details:

- Hood design for easy ignition
- High tensile strength steel
- Galvanized
- Replaceable triangular flint design
- Includes 1 triangular flint

Stock Unit: EA

Stock No.	Description
764380	Spark lighter
762415	Replacement flints for spark lighter (4 triangular flints per package)

Air-Acetylene Torch Tip 7639.75

Product details:

- Adjustable flame design
- Screw-in style sealing
- Replaceable orifice and filter
- Tip size, 1/16 in

Stock Unit: EA

Stock No.: 765894

Ladder, Telescoping 7644.22

Telescoping ladders are used by operations personnel to access above-ground structures.

Product details:

- Duty Rating: Heavy-Duty; Working Load: 250 lb, ANSI Type I
- Extends to 15.6 feet
- Retracts to 36 inches
- Maximum weight of 35 pounds
- Made of aluminum alloy

Stock Unit: EA

Stock No.: 015089

Fiberglass Ladder, Single, and Accessories 7644.24

Fiberglass ladders are used by operations personnel to access underground vaults and above ground structures.

Replacement ladder shoe kits are not interchangeable between manufacturers.

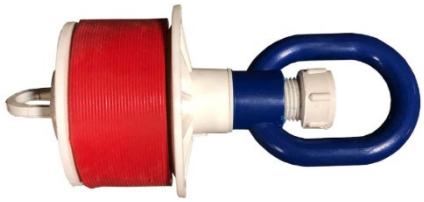
Product details:

- Duty Rating: Extra Heavy-Duty; Working Load: 300 lb; Type: IA
- Highest standing level a minimum of three (3) feet from the top of the ladder
- Fiberglass rails
- Shoe kit to include a pair of steel shoes with slip-resistant rubber tread pads, and spur plates
- Mar-resistant, molded end caps
- Fiberglass rungs reinforced with nylon plugs

Stock Unit: EA

Stock No.	Description
014134	16 ft, single, with aluminum rungs
014772	18 ft, single, with aluminum rungs
014773	Safety shoe kit with rubber treads, replacement for Werner 6300 Series single fiberglass ladders
014774	Slotted shoe kit, replacement for Louisville FE3100 Series single fiberglass ladders

Duct Plug, Blank 7645.20



Also known as conduit duct plugs, rubber duct plugs, compression duct plugs, mechanical duct plugs, expandable duct plugs, and JackMoons.

Blank duct plugs prevent the intrusion of water and sedimentation into duct banks and raceway systems while also confining potential problems like dangerous vapors to their source.

Each blank plug is equipped with a rope tie device to allow the securing of pull rope to the plug's back compression plate. Installers can attach the rope to the back compression plate of the plug and store excess slack rope behind the plug within the conduit system for future use.

Product details:

- High-impact plastic
- Water and air-resistant seal
- Reusable
- Rotating compression loop-nut tie point.

Stock Unit: EA

Stock No.	Trade Size (in)
012387	2
012388	4
012389	5

Pull Tape, Polyester 7645.30

Used to initiate cable pulling in underground conduit systems.

Also known as mule tape.

Product details:

- Woven construction
- Silicone lubricated
- Printed with sequential footage markings
- Splice free

Stock Unit: EA

Stock No.	Length Per Reel (ft)
012480	3000, non-detectable
015123	3000, detectable

Mandrel, Proofing 7645.40

Rigid proofing mandrels are used to test for obstructions in an underground conduit run after trench backfill and/or conduit pour is complete.

The mandrel size should be at least as large as the largest cable pulling head (or grip) that could be used within that conduit to ensure cable can be pulled in successfully.

Stock Unit: EA

Stock No.	Conduit Trade Size (in)
013294	3/4
013295	1
013296	1-1/4
013297	1-1/2
013298	2
013299	2-1/2
013300	3
013301	3-1/2
013302	4
013303	5
013304	6

Portable Lavatory System 7646.05

Provides a portable lavatory option for field personnel.

Individual bags can be disposed of in a regular dumpster or outside trash can. Bags are trash considered safe for trash containers and landfills.

Each portable lavatory system consists of:

- 1 full size commode
- 1 full size seat
- 10 sets of the following: 1 triple carrier bag and liner for liquid and solid waste, toilet paper and antibacterial wipes, and 2 individually packaged bags for liquid waste and antibacterial wipes
- A set of instructions

Stock Unit: EA

Stock No.: 013858

Reflective Letters and Numbers, Pressure-Sensitive, 2-7/8 in x 1-3/4 in, and Panel

7650.07

Pressure sensitive, reflective letters and numbers are used to mark a variety of equipment and material, including wood poles.

Pressure sensitive, reflective letters and numbers are appropriate for above and below ground applications.

Letters and numbers may be affixed to wood poles with the aid of a flexible, horizontal panel, Stock No. 766300, which provide backing for up to eight characters.

Stock Unit: EA

Stock No.	Character
766310	0
766311	1
766312	2
766313	3
766314	4
766315	5
766316	6
766317	7
766318	8
766319	9
766328	A
766332	B
766329	C
766335	D
012997	E
013074	F
014481	G
766320	H
014482	I
014483	J
766334	K
014484	L
766321	M
766322	N
014485	O
766323	P
014486	Q
014487	R
766324	S
766333	T
766330	U
766325	V
766326	W
014488	X
014489	Y
014490	Z
766331	FDR
766327	– [Dash]
766300	Panel

Pole Tags and Holder 7650.13

7/8-inch by 1-5/8-inch embossed aluminum number tags and aluminum mounting holder.

Embossed aluminum number tags and custom sequential bar codes are primarily used to mark power and streetlight poles. They may also be used to mark other City Light assets.

Embossed aluminum number tags and custom sequential bar codes are intended for above ground applications.

Embossed aluminum number tags and custom sequential bar codes are affixed to poles with the aid of vertical, aluminum holders, Stock Number 013072, which provide backing for up to seven numbers plus one bar code.

Individual number tags are available as separate stock items to repair damaged sets. Custom sequential bar codes are only available as components of assembled, sequential sets. If assembled sets are required, users must contact Material Control and provide a beginning and ending number sequence.

Stock Unit: EA

Stock No.	Description
013062	0
013063	1
013064	2
013065	3
013066	4
013067	5
013068	6
013069	7
013070	8
013071	9
013072	Holder only
013073	Assembled set

Number and Letter Tags, Polyethylene, 7/8” by 1-9/16” and Holder

7650.15

Polyethylene letter and number cable tags and related holder. These tags and holders are used to mark underground cables. Tags may also be used to mark other utility assets.

Tags are typically attached to cables using nylon zip ties.

Individual tags are available as separate stock items to repair damaged tags or replenish kits.

Stock Unit: EA

Stock No.	Description
014212	0
014213	1
014214	2
014215	3
014216	4
014217	5
014218	6
014219	7
014220	8
014221	9
014222	A
014223	B
014224	C
014225	D
014226	E
014227	F
014228	G
014229	H
014230	I
014231	J
014232	K
014233	L
014234	M
014235	N
014236	O
014237	P
014238	Q
014239	R
014240	S
014241	T
014242	U
014243	V
014244	W
014245	X
014246	Y
014247	Z
014255	FROM
014256	TO
014254	Holder

Sign, Notice, Landscape Clearance Requirements, 5 in x 7 in — 7650.50

Adhesive-backed sign for installation on pad-mounted switches and transformers.

Stock Unit: EA

Stock No.: 014125

Sign, Notice, Do Not Block Door, 10 in x 14 in, Adhesive — 7650.54

Adhesive-backed sign intended for use on the outside doors of SCL above-ground vaults. Sign provides a visual aid to discourage blocking of vault doors 24 hours a day.

Stock Unit: EA

Stock No.: 015097

Sign, Danger, ACCR Conductor, 14 in x 20 in, Rigid — 7651.05

Sign provides a visual aid to communicate the presence of Aluminum Conductor Composite Reinforced (ACCR) conductor, and the fact that ACCR presents a significant hazard to line workers.

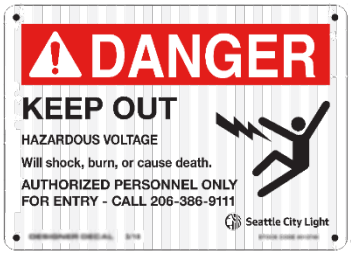
Intended for installation on transmission towers that support ACCR conductor.

The term “DANGER” indicates a hazardous situation that, if not avoided, will result in death or serious injury. The use of this term is to be limited to the most extreme situations.

Stock Unit: EA

Stock No.: 014676

Sign, Danger Hazardous Voltage, Rigid, 10 in x 14 in, Substation — 7651.19



Rigid coated aluminum sign for use on the inside fence or on walls within an SCL substation.

Signs may also be used in other situations where the same level of alert is warranted.

"Danger Hazardous Voltage" signs provide a visual aid in identifying potential hazards that may exist if a person were to come in contact with electrical equipment.

The term "danger" indicates a hazardous situation that, if not avoided, will result in death or serious injury. The use of this term is to be limited to the most extreme situations.

Stock Unit: EA

Stock No.: 013740

Sign, Danger Hazardous Voltage, Rigid, 14 in x 20 in, Transmission Tower — 7651.21

Rigid coated aluminum sign for use on transmission towers.

Signs may also be used in other situations where the same level of alert is warranted.

"Danger Hazardous Voltage" signs provide a visual aid in identifying potential hazards that may exist if a person were to come in contact with electrical equipment.

The term "danger" indicates a hazardous situation that, if not avoided, will result in death or serious injury. The use of this term is to be limited to the most extreme situations.

Stock Unit: EA

Stock No.: 765207

Sign, Danger Hazardous Voltage, Rigid, 7 in x 10 in, Substation — 7651.23

Rigid coated aluminum sign for use on the inside fence or on walls within an SCL substation.

Signs may also be used in other situations where the same level of alert is warranted.

"Danger Hazardous Voltage" signs provide a visual aid in identifying potential hazards that may exist if a person were to come in contact with electrical equipment.

The term "danger" indicates a hazardous situation that, if not avoided, will result in death or serious injury. The use of this term is to be limited to the most extreme situations.

Stock Unit: EA

Stock No.: 765181

Sign, Danger Hazardous Voltage, Adhesive, 7 in x 10 in — 7651.27

Adhesive-backed decal sign, 7 in x 10 in., for use inside switches, cabinets, transformers, or vault lids.

Signs may also be used in other situations where the same level of alert is warranted.

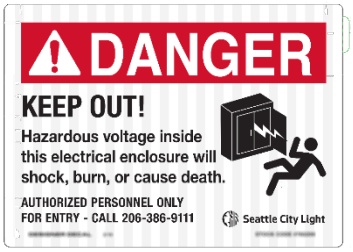
"Danger Hazardous Voltage" signs provide a visual aid in identifying potential hazards that may exist if a person were to come in contact with electrical equipment.

The term "danger" indicates a hazardous situation that, if not avoided, will result in death or serious injury. The use of this term is to be limited to the most extreme situations.

Stock Unit: EA

Stock No.: 765182

Sign, Danger Hazardous Voltage, Adhesive, 10 in x 14 in — 7651.29



Adhesive-backed decal sign, 7 in x 10 in., for use on, in, or around electrical enclosures.

Signs may also be used in other situations where the same level of alert is warranted.

"Danger Hazardous Voltage" signs provide a visual aid in identifying potential hazards that may exist if a person were to come in contact with electrical equipment.

The term "danger" indicates a hazardous situation that, if not avoided, will result in death or serious injury. The use of this term is to be limited to the most extreme situations.

Stock Unit: EA

Stock No.: 765209

Sign, Warning Hazardous Voltage, Rigid, 10 in x 14 in, Substation — 7651.31

Rigid coated aluminum sign, 10 in x 14 in., for use on the outside fence or exterior walls of an SCL substation.

Signs may also be used in other situations where the same level of alert is warranted.

"Warning Hazardous Voltage" signs provide a visual aid in identifying potential hazards that may exist if a person were to come in contact with electrical equipment.

The term "warning" indicates a hazardous situation that, if not avoided, could result in death or serious injury.

Stock Unit: EA

Stock No.: 013741

Sign, Warning Hazardous Voltage, Rigid, 7 in x 10 in — 7651.33

Rigid coated aluminum sign, 7 in x 10 in., for use on the outside fence or exterior walls of an SCL substation or other electrical facility. substation use.

Signs may also be used in other situations and facilities where the same level of alert is warranted.

"Warning Hazardous Voltage" signs provide a visual aid in identifying potential hazards that may exist if a person were to come in contact with electrical equipment.

The term "warning" indicates a hazardous situation that, if not avoided, could result in death or serious injury.

Stock Unit: EA

Stock No.: 013755

Sign, Warning Hazardous Voltage, Adhesive, 7 in x 10 in — 7651.35

Adhesive-backed decal sign, 7 in x 10 in., for use on the outside of switches, cabinets, transformers, or vault lids.

Signs may also be used in other situations where the same level of alert is warranted.

"Warning Hazardous Voltage" signs provide a visual aid in identifying potential hazards that may exist if a person were to come in contact with electrical equipment.

The term "warning" indicates a hazardous situation that, if not avoided, could result in death or serious injury.

Stock Unit: EA

Stock No.: 013754

Sign, Notice No Trespassing, Rigid, 10 in x 14 in — 7651.37

Rigid coated aluminum sign, 10 in x 14 in.

"Notice No Trespassing" signs provide a visual aid for vault rooms and doors containing equipment used in the Network system. This standard was developed for the Network group in an effort to keep vandals and other people from entering network rooms and areas where Network system equipment is operated. It may be used in other areas if a no trespassing sign is needed.

These signs are intended for use on, in, or around Network system rooms, generally on the outside of the entry door.

"Notice" statements are a description of situations where a non-immediate or potential hazard presents a risk to damage of property and equipment.

Stock Unit: EA

Stock No.: 013847

Sign, Notice No Trespassing, Adhesive, 8 in x 10 in — 7651.39

Adhesive-backed decal sign, 8 in x 10 in.

“Notice No Trespassing” signs provide a visual aid for vault rooms and doors containing equipment used in the Network system. This standard was developed for the Network group in an effort to keep vandals and other people from entering network rooms and areas where the Network System equipment is operated. It may be used in other areas if a no trespassing sign is needed.

These signs are intended for use on, in, or around Network system rooms, generally on the outside of the entry door.

“Notice” statements are a description of situations where a non-immediate or potential hazard presents a risk to damage of property and equipment.

Stock Unit: EA

Stock No.: 013846

Sign, Call 811 Before You Dig, Adhesive — 7651.53

4-1/2-in diameter adhesive sign.

“Call 811 Before You Dig” signs provide a visual aid in notifying and reminding the public to call before digging to avoid contact with utility infrastructure.

This sign is intended for use on the outside of switchgear, transformers, or any other utility equipment.

Sign shall be used on a clean metal surface that allows the sign to be applied and adhere well to its surface.

Stock Unit: EA

Stock No.: 765255

Sign, FR3 Fluid, Adhesive — 7651.61

Pre-coated, pressure-sensitive adhesive sign.

Adhesive forms a durable bond to clean, well-painted surfaces or unpainted corrosion-proof metals. Liner paper is back-scored for easy removal.

FR3 signs provide a visual aid on the exterior of transformers containing Cargill Envirotemp FR3 insulating fluid used in the Looped Radial and Network systems.

Small FR3 signs are placed on the lids of single-phase submersible transformers. These units have lids that are congested with cables, so the signs must be smaller to fit and still be visible when viewed from above the transformer, as in the case of a below grade vault that cannot be entered due to water infiltration.

Large FR3 signs are placed on the sides of overhead, submersible, and pad-mounted transformers.

Stock Unit: EA

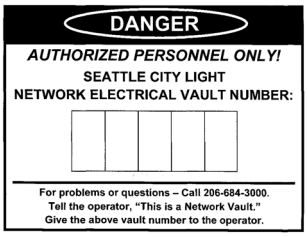
Stock No.	Size (in)
014558	3 x 4-1/4
014559	7-1/2 x 5-7/8

Sign, Network Electrical Vault, 10 in x 14 in, Adhesive — 7651.63

Network electrical vault number signs are installed on doors to network vaults. They provide a visual aid in identifying potential hazards that may exist if a person were to come into contact with electrical equipment.

The signs also serve as a backplate for installation of pressure-sensitive, reflective numbers on a sign to indicate the vault number, as described in SCL 7650.07.

The term “danger” indicates a hazardous situation that, if not avoided, will result in death or serious injury. The use of this term is to be limited to the most extreme situations.



Stock Unit: EA

Stock No.: 010684

Label, Adhesive, Less Than 1 ppm — 7651.66

Permanent adhesive-backed label, 6 in x 6 in.

Stock Unit: EA

Stock No.: 765211

Label, Adhesive, Certified Non-PCB — 7651.66

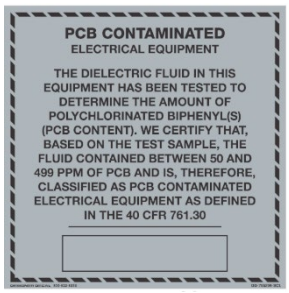
Permanent adhesive-backed label, 6 in x 6 in.

Stock Unit: EA

Stock No.: 765206

Label, Adhesive, PCB Contaminated — 7651.66

Permanent adhesive-backed label, 6 in x 6 in..



Stock Unit: EA

Stock No.: 765208

Label, Adhesive, Caution Contains PCBs — 7651.66

Permanent adhesive-backed label, 6 in x 6 in.

Stock Unit: EA

Stock No.: 765201

Label, First Aid Kit — 7651.72

“First Aid Kit” labels provide a visual aid that identifies a storage container, cabinet, or room as containing a First Aid kit.

This label is intended for use on an outside surface in areas that are readily accessible and, where practical, in conspicuous places.

Label shall be used on a clean smooth surface that allows it to be applied and adhere well to its surface.

Stock Unit: EA

Stock No.: 761166

Label, Cable Marker, Wraparound 7651.75

Wraparound cable marker labels provide a visual aid in identifying communication cable or fiber optic aerial duct as being owned by SCL.

SCL owned pole attachments are labeled and identified as “001” in black numbering.

Stock Unit: EA

Stock No.: 012510

Secondary Container (Workplace) Labels and Tags 7651.91

The technical term for secondary container (workplace) labels is Globally Harmonized System (GHS) labels. These labels are also known as hazard communication labels.

Secondary container labels are required when industrial chemicals or other hazardous materials are transferred from the original container into a separate container, when the original manufacturer label is damaged or worn, or when the label is illegible.

Secondary container labels ensure proper identification of the material and communication of hazard information.

The use of secondary container labels and tags is required by Washington Administrative Code (WAC) 196-901-14010.

Tags (Stock No. 014469) are suitable for indoor or outdoor use.

Stock Nos. 014468 and 014469 also include required personal protective equipment (PPE) information.

Stock Unit: See Table.

Stock No.	Description	Stock Unit
014467	Label, adhesive-backed, small	BX
014468	Label, adhesive-backed, medium	EA
014469	Tag, double-sided	EA

Tower, Circuit Identification 7652.4

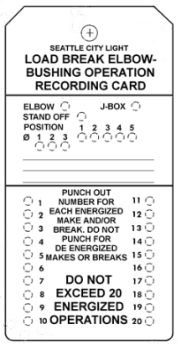
Blank, 6061 alloy aluminum sheet; two slots for mounting; lettering to be provided by installation crews.

Stock Unit: EA

Stock No.: 765210

Loadbreak Elbow Bushing Operation Recording Card 7653.16

To record number of operations on loadbreak elbows and bushings.



Stock Unit: EA

Stock No.: 686465 E

Operations Tag, Danger Keep Open 7653.22

Operations tags are used by field personnel in the performance of switching and tagging procedures.

A complete description of how operations tags are used may be found in the Seattle City Light book, Systems Operations Clearance Keep Open and Hold Open Procedures.

Tags are fabricated from a material that can be reliably and durably written on in pencil or permanent ink marker.

For outdoor use. Water-proof and ultraviolet-light-resistant, suitable for long-term exposure.

The front, upper left corner of each tag contains the following information:

- Seattle City Light six-digit stock number
- (mm-yy) where mm = month of printing, yy = year of printing
- Seattle City Light alphanumeric form number, if there is one

Dimensions:

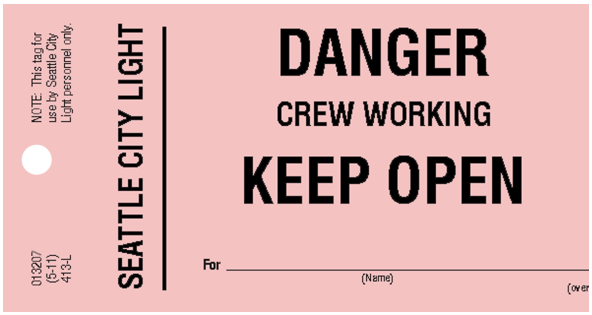
- Height (in): 3-1/8, ± 1/16
- Width (in): 6-1/4, ± 1/16
- Punched hole, dia. (in): 7/16, + 1/16, -0

Rigid PVC vinyl

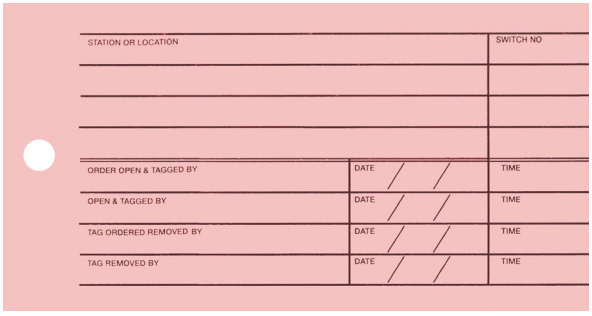
Tag thickness: 15 mils

Color: Fluorescent orange-red with black printed text

Note: The color shown does not represent the color requirements for the tag.



FRONT



BACK

Stock Unit: EA

Stock No.: 013207

Operations Tag, Abnormal Condition 7653.22

Operations tags are used by field personnel in the performance of switching and tagging procedures.

A complete description of how operations tags are used may be found in the Seattle City Light book, Systems Operations Clearance Keep Open and Hold Open Procedures.

Only solid-yellow Abnormal Condition tags are under the control of System Operations. Multi-colored Abnormal Condition Tags are in use at SCL but are outside the control of System Operations. The use of these tags is the responsibility of the divisions for which their use is intended. Under no circumstances shall multi-colored tags be substituted for the solid-yellow tag.

Tags are fabricated from a material that can be reliably and durably written on in pencil or permanent ink marker.

For outdoor use. Waterproof and ultraviolet-light-resistant, suitable for long-term exposure.

The front, upper left corner of each tag contains the following information:

- Seattle City Light six-digit stock number
- (mm-yy) where mm = month of printing, yy = year of printing
- Seattle City Light alphanumeric form number, if there is one

Dimensions:

- Height (in): 3-1/8, ± 1/16
- Width (in): 6-1/4, ± 1/16
- Punched hole, dia. (in): 7/16, + 1/16, -0

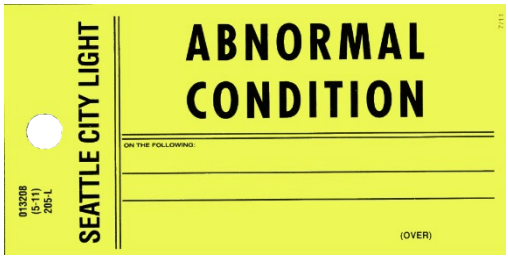
Rigid PVC vinyl

Tag thickness: 15 mils

Color: Fluorescent yellow with black printed text

Stock Unit: EA

Stock No.: 013208



FRONT

BACK

Operations Tag, Station Warning Tag 7653.22

Operations tags are used by field personnel in the performance of switching and tagging procedures.

A complete description of how operations tags are used may be found in the Seattle City Light book, Systems Operations Clearance Keep Open and Hold Open Procedures.

Tags are fabricated from a material that can be reliably and durably written on in pencil or permanent ink marker.

For indoor use.

The front, upper left corner of each tag contains the following information:

- Seattle City Light six-digit stock number
- (mm-yy) where mm = month of printing, yy = year of printing
- Seattle City Light alphanumeric form number, if there is one

Dimensions:

- Width (in): 3-1/8, ± 1/16
- Height (in): 6-1/4, ± 1/16
- Punched hole, dia. (in): 7/16, + 1/16, -0

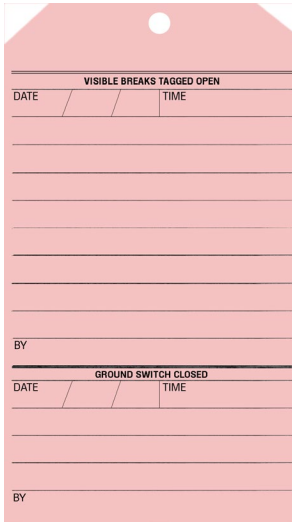
Rigid PVC vinyl

Tag thickness: 15 mils

Color: Fluorescent orange-red with black printed text

Note: The color shown does not represent the color requirements for the tag.

FRONT



BACK

Stock Unit: EA

Stock No.: 013239

Operations Tag, Hold Open 7653.22

Operations tags are used by field personnel in the performance of switching and tagging procedures.

A complete description of how operations tags are used may be found in the Seattle City Light book, Systems Operations Clearance Keep Open and Hold Open Procedures.

Tags are fabricated from a material that can be reliably and durably written on in pencil or permanent ink marker.

For outdoor use. Waterproof and ultraviolet-light-resistant, suitable for long-term exposure.

The front, upper left corner of each tag contains the following information:

- Seattle City Light six-digit stock number
- (mm-yy) where mm = month of printing, yy = year of printing
- Seattle City Light alphanumeric form number, if there is one

Dimensions:

- Width (in): 3-1/8, ± 1/16
- Height (in): 6-1/4, ± 1/16
- Punched hole, dia. (in): 7/16, + 1/16, -0

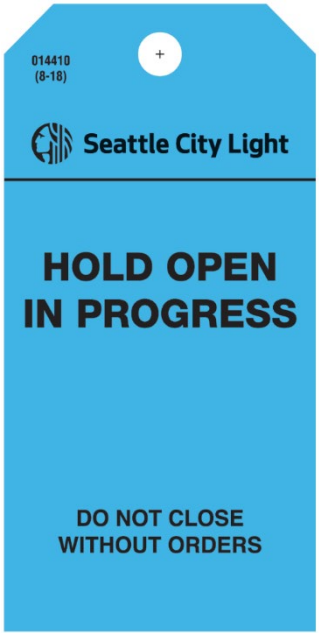
Rigid PVC vinyl

Tag thickness: 15 mils

Color: Pantone 298 blue with black printed text

Stock Unit: EA

Stock No.: 014410



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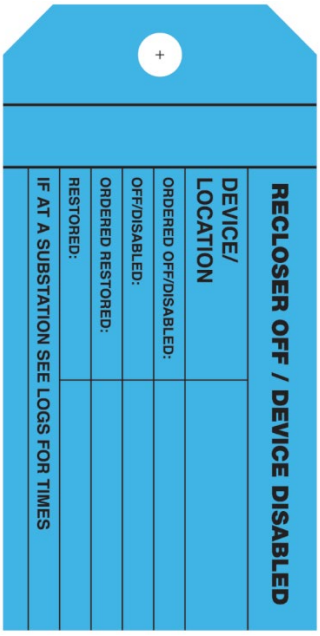


BACK

Operations Tag, Substations Operations – Abnormal Condition

7653.22

Operations tags are used by field personnel in the performance of switching and tagging procedures.

A complete description of how operations tags are used may be found in the Seattle City Light book, Systems Operations Clearance Keep Open and Hold Open Procedures.

Tags are fabricated from a material that can be reliably and durably written on in pencil or permanent ink marker.

For outdoor use. Waterproof and ultraviolet-light-resistant, suitable for long-term exposure.

The front, upper left corner of each tag contains the following information:

- Seattle City Light six-digit stock number
- (mm-yy) where mm = month of printing, yy = year of printing
- Seattle City Light alphanumeric form number, if there is one

Dimensions:

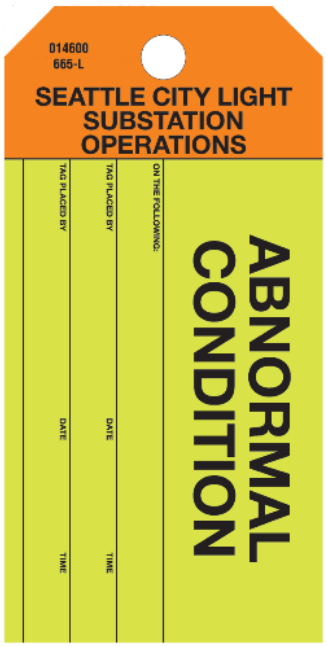
- Height (in): 3-1/8, ± 1/16
- Width (in): 6-1/4, ± 1/16
- Punched hole, dia. (in): 7/16, + 1/16, -0

Rigid PVC vinyl

Tag thickness: 15 mils

Color, top: fluorescent orange with black printed text

Color, bottom: fluorescent yellow with black printed text



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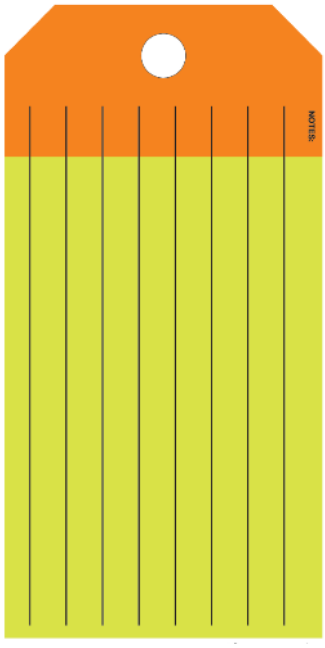


BACK

Stock Unit: EA

Stock No.: 014600

Operations Tag, Ground Switch Closed 7653.22

Operations tags are used by field personnel in the performance of switching and tagging procedures.

A complete description of how operations tags are used may be found in the Seattle City Light book, Systems Operations Clearance Keep Open and Hold Open Procedures.

Tags are fabricated from a material that can be reliably and durably written on in pencil or permanent ink marker.

For outdoor use. Waterproof and ultraviolet-light-resistant, suitable for long-term exposure.

The front, upper left corner of each tag contains the following information:

- Seattle City Light six-digit stock number
- (mm-yy) where mm = month of printing, yy = year of printing
- Seattle City Light alphanumeric form number, if there is one

Dimensions:

- Height (in): 3-1/8, ± 1/16
- Width (in): 6-1/4, ± 1/16
- Punched hole, dia. (in): 7/16, + 1/16, -0

Rigid PVC vinyl

Tag thickness: 15 mils

Color, background: yellow and red

Color, printed font: black

Stock Unit: EA

Stock No.: 014601

Operations Tag, Grounds Installed 7653.22

Operations tags are used by field personnel in the performance of switching and tagging procedures.

A complete description of how operations tags are used may be found in the Seattle City Light book, Systems Operations Clearance Keep Open and Hold Open Procedures.

Tags are fabricated from a material that can be reliably and durably written on in pencil or permanent ink marker.

For outdoor use. Waterproof and ultraviolet-light-resistant, suitable for long-term exposure.

The front, upper left corner of each tag contains the following information:

- Seattle City Light six-digit stock number
- (mm-yy) where mm = month of printing, yy = year of printing
- Seattle City Light alphanumeric form number, if there is one

Dimensions:

- Height (in): 3-1/8, ± 1/16
- Width (in): 6-1/4, ± 1/16
- Punched hole, dia. (in): 7/16, + 1/16, -0

Rigid PVC vinyl

Tag thickness: 15 mils

Color: yellow and red with black printed text

FRONT

BACK

Stock Unit: EA

Stock No.: 014761

Operations Tag, Substations Construction & Maintenance – Abnormal Condition 7653.22

Operations tags are used by field personnel in the performance of switching and tagging procedures.

A complete description of how operations tags are used may be found in the Seattle City Light book, Systems Operations Clearance Keep Open and Hold Open Procedures.

Tags are fabricated from a material that can be reliably and durably written on in pencil or permanent ink marker.

For outdoor use. Waterproof and ultraviolet-light-resistant, suitable for long-term exposure.

The front, upper left corner of each tag contains the following information:

- Seattle City Light six-digit stock number
- (mm-yy) where mm = month of printing, yy = year of printing
- Seattle City Light alphanumeric form number, if there is one

Dimensions:

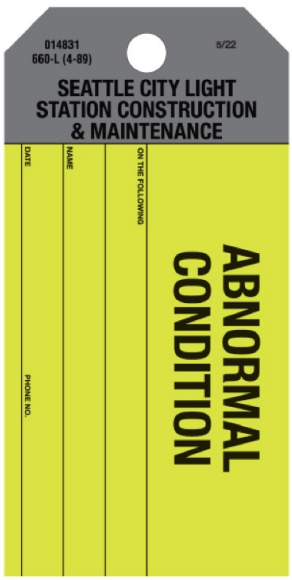
- Height (in): 3-1/8, ± 1/16
- Width (in): 6-1/4, ± 1/16
- Punched hole, dia. (in): 7/16, + 1/16, -0

Rigid PVC vinyl

Tag thickness: 15 mils

Color:

- Background (top): gray
- Background (bottom): fluorescent yellow
- Printed font: black



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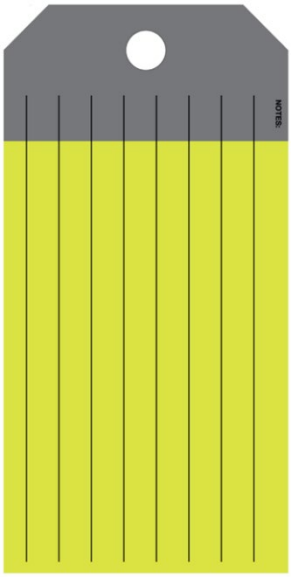
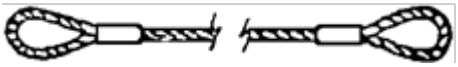


BACK

Stock Unit: EA

Stock No.: 014831

Sling, Wire Rope 7654.5



Type 1, Class 2, Construction 4 of 6 x 19 improved plow steel wire rope, with independent wire rope core, right regular lay, and uncoated finish (bright).

Used to rig and hoist loads. Before starting a job, sling users shall be trained in the selection, inspection, cautions to personnel, effects of the environment, and rigging practices cited in ANSI/ASME B30.9. Refer to material standard for rated capacity information.

Stock Unit: EA

Stock No.	Rope diameter (in)	Length (ft)
765420	3/8	2
765424	3/8	3
765428	3/8	4
765432	3/8	5
765434	3/8	6
765440	3/8	12
765454	1/2	3
765458	1/2	4
765462	1/2	5
765464	1/2	6
765470	1/2	12

Sling, Synthetic Webbing, Nylon 7654.80

Yellow, 2-inch-wide, Type 4 (twisted-eye), nylon slings, also known as synthetic webbing slings.

Used to rig and hoist loads. Before starting a job, sling users shall be trained in the selection, inspection, cautions to personnel, effects of the environment, and rigging practices cited in ANSI/ASME B30.9. Refer to material standard for rated capacity information.

Stock Unit: EA

Stock No.	Length (ft)	Construction
765480	3	One-ply
765484	4	One-ply
765485	5	Two-ply
765486	6	Two-ply
765488	8	Two-ply
765490	10	Two-ply
765492	12	Two-ply
014932	16	Two-ply

Hook, Alloy Steel 7654.85

Hooks are used with alloy chain for hoisting equipment.

Grab hooks are designed to grab a chain link and hold it in place.

Slip hooks are designed to allow chain to slip through the hook. Slip hooks are also referred to as sling hooks.

Hooks are to be issued to the SCL Steel Shop only.

GRAB

SLIP

Stock Unit: See Table.

Stock No.	Chain Size (in)	Style
764041	9/32	Grab
764042	3/8	Grab
764043	3/8	Slip

Swivel Hoist Ring 7654.89

Swivel hoist rings, with their capability to swivel and pivot, are superior to traditional lifting eyes for rigging.

Working load limits (WLL) must not be exceeded.

Manufacturer instructions and safety notes must be read and understood prior to use.

Stock Unit: EA

Stock No.: 014502

Slings, Synthetic Webbing, Nylon, Bridle — 7654.90

The 4-leg nylon slings are used to hoist gravel bags.

Before starting a job, sling users shall be trained in the selection, inspection, cautions to personnel, effects of the environment, and rigging practices cited in ASME B30.9.

Stock Unit: EA

Stock No.: 015046

Labeling Tape, Reflective, Brady Labelizer System — 7658.30

Brady labeling tape is used for printing labels for indoor or outdoor equipment as well as racks and shelves where high visibility is critical.

The Brady Labelizer and Brady GlobalMark label maker systems, for which SCL stocks labeling tape, are legacy systems no longer being manufactured.

See 7658.40 for labeling tape for the Brady Globalmark.

Stock Unit: EA

Stock No.	Description
010389	Labeling Tape, Reflective White, 2.2" x 75'
010390	Labeling Tape, Reflective Yellow, 2.2" x 58'

Labeling Tape and Ribbon, Brady Globalmark System

7658.40

Brady Globalmark System labeling tape is used for printing of labels for indoor or outdoor equipment, as well as racks and shelves where high visibility is critical.

The Brady GlobalMark and Brady Labelizer label maker systems, for which SCL stocks labeling tape, are legacy systems no longer being manufactured.

See SCL 7658.30 for labeling tape for the Brady Labelizer.

Stock Unit: EA

Stock No.	Description
012690	Labeling tape, reflective yellow, 2-1/4" x 50'
012691	Labeling tape, reflective silver, 2-1/4" x 50'
013563	Labeling tape, reflective white, 2-1/4" x 100'
012692	Printing ribbon, black, 4” x 200’

Label Makers, Handheld, and Tape 7658.51

Handheld label makers and tapes are used for labeling, identifying, and tagging anything that has surface area to support labeling, such as shelving and office or manufacturing equipment.

Stock Unit: EA

Stock No.	Description	
765886	Label maker, plastic tape embosser	
765887	Label maker, metal tape embosser	
723359	Labeling tape, plastic, black, 1/2" wide, self-adhesive, 12-ft roll	
723362	Labeling tape, plastic, red, 1/2" wide, self-adhesive, 12-ft roll	
723365	Labeling tape, plastic, blue, 1/2" wide, self-adhesive, 12-ft roll	
723370	Labeling tape, stainless steel, 1/2" wide, non-adhesive, 21-ft roll	
723372	Labeling tape, aluminum, 1/2" wide, non-adhesive, 16-ft roll	
723378	Tape protector, HDPE channel, for use with Stock Nos. 723370 and 723372, 100-ft coil	

PCB Testing Materials 7658.60

Disposable syringes and tubing used for PCB testing.

Syringes and tubing are used to extract liquid samples from a container for PCB testing purposes.

Stock Unit: EA (for syringe), FT (for tubing)

Stock No.	Description
765905	Syringe, 35 mL, disposable with catheter tip
765910	Tubing, 1/4" ID x 3/8" OD, flexible clear PVC

Biohazard Disposal Containers, Labels, and Envelopes 7658.67

Biohazard disposal containers, labels, and envelopes are for containing, identifying, and transporting sharps and contaminated biohazard material for disposal.

Sharps are objects that can penetrate a worker's skin, such as needles, scalpels, broken glass, capillary tubes, and the exposed ends of dental wires. If blood or other potentially infectious material are present or may be present on the sharp, it is a contaminated sharp and appropriate personal protective equipment must be worn.

Stock Unit: EA

Stock No.	Description	
761161	▪ Container for multiple contaminated sharps, red, with Biohazard symbol ▪ 1.4-quart nominal capacity ▪ Puncture resistant ▪ Leakproof, for sides and bottom ▪ Designed to be kept upright ▪ Designed so sharps can be dropped into container without touching outside ▪ Autoclavable or can be incinerated	
761162	▪ Container for single contaminated syringe, transparent, 8" x 1" size ▪ Recording label to capture data ▪ Individually wrapped for single syringe ▪ Leakproof and puncture resistant ▪ Closable, twist-lock lid or cap ▪ Designed with inert material at the bottom for needle to stick into ▪ Designed to prevent rolling ▪ Autoclavable or can be incinerated	
761163	▪ Label, Biohazard, 4" x 4", orange background, with Biohazard symbol ▪ Adhesive, peel-and-stick	
761164	▪ Bag, Biohazard, nominal 24" x 24", 7-gallon, 1 mil, red plastic polyethylene, with Biohazard symbol ▪ Leakproof ▪ Safe for landfill or incineration	
761165	▪ Bag, Biohazard, nominal 31" x 41", 30-gallon, 2 mil, red plastic polyethylene, with Biohazard symbol ▪ Leakproof ▪ Safe for landfill or incineration	
761167	▪ Envelopes, Hazardous Waste, polyethylene with yellow border, 5.5" x 10" ▪ Adhesive, peel-and-stick ▪ Oil and water resistant	
761168	▪ Envelope, on-package shipping, non-printed, clear plastic, 5.5" x 10", side-loaded ▪ Polyethylene backing, paper liner ▪ Adhesive, peel-and-stick ▪ Tough film to reduce tears and punctures ▪ Safe for landfill or incineration	

Lead Paint Test Kit 7658.71

Lead paint test kits are used for detecting lead wood, metal, drywall, concrete, and plaster surfaces.

Follow kit instructions and only use items provided in the kit.

Stock Unit: EA

Stock No.: 765920

Bags, Asbestos Disposal 7658.77

Plastic asbestos disposal bag, 6 mil thick yellow plastic. Impermeable. OSHA-approved for asbestos use and purpose.

Asbestos disposal bags are used for containing, transporting, and disposal of asbestos-contaminated materials.

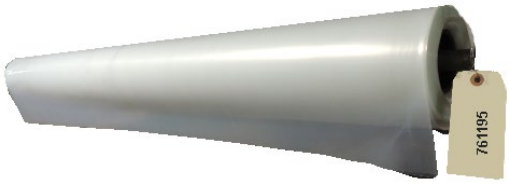
Double-bagging is required before bags are filled with waste.

Stock Unit: EA

Stock No.	Description
761170	Asbestos disposal bag, yellow, 33" x 50"
761172	Asbestos disposal bag, yellow, 36" x 60"

Bag, Transformer 7658.80

Transformer bags are for wrapping and containing oil-filled transformers to minimize liquid spills during storage and transport.



Stock Unit: EA

Stock No.: 761195

Funnel, General Purpose 7659.03

Polyethylene. May be used for petroleum products.

r

Stock Unit: EA

Stock No.	Diameter (in), nominal
013168	5.5
013169	7.5
013170	8.0

Oilers, Hand, Pump 7659.07

Hand-operated pump oilers are sealed containers with a long flexible nozzle and pumping mechanism for dispensing oil.

Stock Unit: EA

Stock No.	Description
764662	Oiler, hand pump,12 oz. Product details: ▪ Spring bottom ▪ Steel shell ▪ Finish, copper bronze ▪ Zinc plated top cap ▪ 7-inch flexible spout that holds position indefinitely
764667	Oiler, pistol-style pump, 6 oz. Product details: ▪ Steel shell ▪ Finish, copper bronze ▪ Zinc plated top cap ▪ Zinc die-cast pressure pump ▪ 6-inch flexible spout that holds position indefinitely

Safety Can, DOT Type II — 7659.09

Department of Transportation (DOT) type II, red, safety cans. Safety cans are used for over-the-road transport of gasoline and other flammable liquids.

Stock Unit: EA

Stock No.	Capacity (gal)
013413	2.5
014414	5.0

Drum, Environmental and Hazard Disposal, Steel — 7659.12

Steel drum, rated for storage and transport of flammable and combustible liquids, poisons, corrosives, and other hazardous waste materials.

Stock Unit: EA

Stock No.	Head Type	Capacity (gal)
755100	Closed	5
755300	"	20
014274	"	30
014275	"	55
755200	Open, with gasketed cover	10

755400	"	20
014276	"	55

Drum, Environmental and Hazard Disposal, Polyethylene — 7659.12

5-gallon capacity.

Polyethylene drum, rated for storage and transport of flammable and combustible liquids, poisons, corrosives, and other hazardous waste materials.

Stock Unit:

Stock No.: 755500

Can, Metal, Round, 1-Qt. Capacity — 7659.15

Product details:

- Full open top
- Friction lid
- No-handle style
- Silver finish, no labels

Stock Unit: EA

Stock No.: 722200

Can, Metal, Round, 1-Gal. Capacity — 7659.15

Product details:

- Full open top
- Triple Tite lid and ears and bails
- Unlined
- Silver finish, no labels

Stock Unit: EA

Stock No.: 722208

Can, Metal, Rectangular, 1-Qt. Capacity 7659.15

Product details:

- 1-1/4 in can opening
- Screw cap with lid
- No-handle style
- Silver finish, no labels

Stock Unit: EA

Stock No.: 722204

Can, Metal, Rectangular, 1-Gal. Capacity 7659.15

Product details:

- 1-3/4 in can opening
- Screw cap with lid
- Top-handle style
- Silver finish, no labels

Stock Unit: EA

Stock No.: 722212

Container and Lid, Plastic 7659.17

Product details, container:

- 16 oz volume, nominal
- Color: translucent
- Dimensions (in): 4.6 x 3.5 x 3.0
- Material: polypropylene
- Suitable for temperatures 0°F to 212°F, nominal

Product details, lid:

- Color: translucent
- Dimensions (in) 4.6 x 0.3
- Material: polyethylene terephthalate (PET)
- Suitable for temperatures -20°F to 150°F, nominal

Stock Unit: EA

Stock No.	Description
722234	Container, round, polypropylene, clear, 16 oz
722236	Lid, round, polyethylene, clear, flush-fill, for Stock No. 722234

Flashlight, LED Type and Accessories 7659.21

LED (light emitting diode) type flashlight, 140 lumens, impact- and water-resistant. Powered by three AA cells. For general purpose, hand-held lighting needs.

An 8-inch long, red polypropylene traffic wand for use in nighttime traffic conditions is ordered separately.

Stock Unit: EA

Stock No.	Description
013156	LED flashlight
014115	Traffic wand

Headlamp, LED Type 7659.24

Headlamps can be strapped to the head or helmet with an elasticized strap or mounting clips.

Product details:

- Professional grade, suitable for general purpose application in a utility environment.
- IP68 rated for water and dust resistance
- Light source: high performance neutral white LED
- Lumens:
  - Flood: 70 and 400 lumens
  - Spot: 30, 150, 500 and 1600 lumens
- Battery configuration: rechargeable 21700 lithium-ion battery
- Charging kit and cables
- Battery run time: 100 hours, nominal
- Sweat absorbing microfiber strap
- Hardhat compatible
- Multi position adjustable
- Glove-friendly switch for spot beam, flood beam, or both beams simultaneously

Stock Unit: EA

Stock No. 014694

Voltage Tester, 120/600 V, “Wiggy" 7659.33

Commonly referred to as a “Wiggy,” this spring-loaded, solenoid device is used to detect the simple presence or absence of voltage or continuity.

Stock Unit: EA

Stock No.: 765850

Continuity and Voltage Tester 7659.35

This instrument is the modern-day, digital replacement for spring-loaded, solenoid testers commonly known as Wiggys. It is used by field personnel who require an easy-to-use, but sophisticated, continuity and voltage tester that mimics the function, form, and durability of the traditional Wiggy.

For voltages between 240 V and 600 V, the duty cycle is limited to 30 s on / 300 s off. For voltages above 240 V, the tester must connect to a voltage source only for a MAXIMUM of 30 x and then disconnect for a MINIMUM OF 300 s.

Stock Unit: EA

Stock No.: 014329

Electrician’s True-RMS Multimeter 7659.39

Used to test for varied voltage levels and its non-contact voltage tester can detect the presence of voltage without leads. 0.1 to 600 Volts AC/DC, ohms, capacitance.

Stock Unit: EA

Stock No.: 765860

Fuse Puller, 7-1/2 in, Pocket Size 7659.40

Pocket-size fuse pullers are constructed of fully insulated material, with a no-slip grip handle. Used to remove 1/2-inch to 1-inch diameter cartridge-type fuses rated up to 600 V.

Stock Unit: EA

Stock No.: 764807

Personal RF Exposure Monitor and Accessories 7659.42

This instrument is for field personnel who work in the vicinity of wireless communications antennas. See SCL 0095.04.

This instrument has many features and capabilities; see the manufacturer's operating manual for more information.

The calibration date on a personal RF exposure monitor is the date that it was last calibrated. Calibration is recommended every three years.

Stock Unit: EA

Stock No.	Description
014611	NARDA RadMan 2XT Personal Radiation Monitor (batteries not included)
014612	NiMH, size AA rechargeable batteries (pair)

Fire Extinguisher 7659.45

Fire extinguishers and mounting brackets.

Stock Unit: EA

Stock No.	Description	Range (initial–ft)	Discharge Time (sec)
722496	10 lb carbon dioxide (with horn)	3–8	15
722498	15 lb carbon dioxide (with horn)	3–8	15
722500	10 lb ABC dry chemical	15–21	20
722502	2.5 lb ABC dry chemical	9–15	10

Fire Extinguisher Mounting Brackets 7659.45

Steel mounting brackets for fire extinguishers.

Stock Unit: EA

Stock No.	Description	For use with SCL Stock No.
722508	Heavy duty vehicle bracket, black	722498
722506	Heavy duty vehicle bracket, black	722500
722504	Vehicle / marine / aviation bracket, red powder-coated	722502

Batteries, Alkaline 7660.24

Stock Unit: EA

Stock No.	Type	Voltage	Used With
760191	AAA cell	1.5	Flashlight
760190	AA cell	1.5	Flashlight
760192	C cell	1.5	Flashlight
760194	D cell	1.5	Flashlight
760189	9 V transistor	9	Testers and equipment
760185	6 V lantern w/ spring terminals	6	Lantern

Battery, 6 V, Lantern with Screw Terminals 7660.31

Lantern batteries are used for barricade flashers, lanterns, and other high drain, frequent use devices.

- Carbon-zinc type
- Heavy-duty rated
- Guaranteed against leakage
- ANSI/NEDA type 915D
- Suitable for operation -30°C to 55°C
- Meet EPA requirements for landfill disposal
- Shelf life of 6–8 years

Stock Unit: EA

Stock No.: 760186

Nails, Brads, and Spikes 7800.15

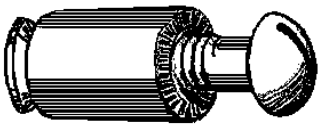
Steel.

Stock Unit:
Common nails, double-headed nails, and spikes: LB
Brads: PK

Stock No.	Type	Size	Diameter (in)	Length (in)
782415	Common	6d	0.120	2
782416	Common	8d	0.131	2-1/2
782420	Common	16d	0.162	3-1/2
782286	Brad	#18	0.475	1
782338	Double-headed	8d	0.131	2-1/4
782340	Double-headed	16d	0.162	3
782426	Spike	–	3/8	8

Screw Anchor, Light-Duty 7800.7

For light duty masonry anchoring.



Stock Unit: EA

Stock No.	Screw Size	Hole Diameter (in)	Hole Depth (in)	Safe Working Load (lb)
780071 E	8-32	5/16	1/2	100
780072 E	10-24	3/8	5/8	150
780074 E	1/4-20	1/2	7/8	200
780075 E	5/16-18	5/8	1	300
780076 E	3/8-16	3/4	1-1/4	450
780078 E	1/2-13	7/8	1-1/2	600

Anchor, Nail Drive, One Piece 7800.72

Used to fasten signage to concrete, brick masonry, and stone. Product installation requires a 1/4-in drill bit. Refer to manufacturer literature for complete instructions and performance data.

Nail drive anchors should not be used for overhead, life safety, or sustained tensile loading.

Stock Unit: EA

Stock No.	Size (in)
780010 E	1/4 x 1
010335 E	1/4 x 1-1/2

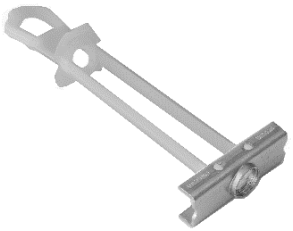
Toggle Bolt, Heavy Duty, Stainless Steel 7800.81

Toggle bolts are used to attach brackets to fiberglass poles. A 3/4” drill hole is required. Grip range is 3/8” to 2-1/2”.

This product features a one-piece steel anchoring channel that does not fall behind the wall when the bolt is removed, allowing re-use of the anchor in the same hole. The channel pivots on the durable installation legs. The sliding cap zips down the legs to securely "capture" the wall between the channel and the cap. The legs snap off easily, flush with the wall, but do not break prematurely.

To use, place item to be attached, insert bolt, and tighten flush.

Toggle bolts are also known as hollow-wall anchors.



Stock Unit: EA

Stock No.	Description
014412	3/8”-16, box of 25
014413	1/2”-13, box of 25

Anchor, Stud Bolt, 304/316 Stainless Steel, Wet Environments 7800.95

304/316 stainless steel type. Provides masonry anchoring for permanent installations in wet environments. Masonry anchors are also known as expansion anchors. Includes stainless steel nuts and washers.

304 type anchors are for use in non-corrosive environments. 316 type anchors are for use in corrosive environments. Both are seismically qualified.

For allowable loads, see the Hilti Kwik Bolt Stainless Steel 304\316 Product Technical Guide. For ratings of older versions of Kwik Bolt, contact Standards.

Stock Unit: EA

Stock No.	Size (in)	Type
780032	1/2 x 3-3/4	304
013666	1/2 x 4-1/2	"
780147	5/8 x 4-3/4	"
780033	3/4 x 7	"
780141	1/2 x 3-3/4	316
780143	1/2 x 5-1/2	"
780034	5/8 x 4-3/4	"
780145	5/8 x 6	"

Anchor, Stud Bolt (Kwik Bolt 3), Carbon Steel, Dry, In-Building — 7800.96

Carbon steel type. Provides masonry anchoring for permanent, dry, in-building installations. Masonry anchors are also known as expansion anchors.

For allowable loads, see the Hilti Kwik Bolt Stainless Steel 304\316 Product Technical Guide. For ratings of older versions of Kwik Bolt, contact Standards.

Stock Unit: EA

Stock No.	Size (in)
014735 E	1/4 x 2-1/2
014736 E	1/4 x 3-1/4
780104 E	3/8 x 3
780105 E	3/8 x 3-3/4
014803 E	1/2 x 3
780111 E	1/2 x 3-3/4
780113 E	1/2 x 5-1/2
780024 E	5/8 x 4-3/4
780115 E	5/8 x 6
014737 E	5/8 x 7
780023 E	3/4 x 8

Anchor, Flush-Mount, Internal-Threaded — 7801.10

Medium duty stainless steel (303) expansion anchor; internally threaded. For use in concrete where protruding bolt anchors would pose a hazard.

These anchors allow for reusable applications such as for setting temporary pulling plates or blocks as well as mounting items on the wall that may later be used elsewhere. For installing pulling plates in Network vaults.

Stock Unit: EA

				Allowable Working Load in 4000 psi Concrete (lb)	
Stock No.	Stock Unit	Internal Thread Dia. (in)	Anchor Length (in)	Tension	Shear
012960 E	PK/50	1/2	2	1840	2760
012386 E	PK/25	5/8	2-9/16	2630	4510

Anchor, Toggle Bolt, Spring 7801.40

Light- to medium-duty anchor intended for use in hollow block, wallboard, plaster, plywood, and other hollow-base materials.

Stock Unit: EA

Stock No.	Size (Diameter x Length) (in)
780131	3/16 x 3
780136	1/4 x 3
780146	3/8 x 3
780148	3/8 x 5

Turnbuckle 7801.42

Hot-dipped galvanized.

Stock Unit: EA

Stock No.	Type	Thread Diameter (in)	Take Up (in)	Safe Working Load (lb)
787982	H-H	1/2	6	1040
787937	J-J	3/4	6	4000

Running Thread Rod 7801.42

Zinc-plated. Running thread rod is provided in 10-ft lengths.

Stock Unit: EA

Stock No.	Description
780998	3/8–16
780999	1/2–13
781000	5/8–11

Coupling Nut 7801.42

Zinc-plated. Used to connect anchors and steel rods.

Stock Unit: EA

Stock No.	Size, Nominal (in)
780048 E	3/8
780049 E	1/2
780050 E	5/8

Full-Thread Stud 7801.42

Silicon bronze. Full-thread stud has flat chamfered points each end.

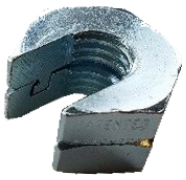
Stock Unit: EA

Stock No.	Description
786600	3/8–16 x 2-3/8
012944	3/8–16 x 1-1/2

Slip-on Lock Nut 7801.42

Zinc-plated.

Slip-on lock nuts are designed to be positioned on a threaded rod at any point, eliminating the need to thread from the end of the rod down. Slip-on lock nuts are twisted open by hand, inserted where desired, then hand twisted closed and tightened with a wrench.



Stock Unit: EA

Stock No.	Diameter (in)	Thread Size	Load Limit (lb)
014403	3/8	16	2000
014404	1/2	13	4000
014405	5/8	11	5000

Machine Screw, Flat Head, Phillips, Brass — 7801.45

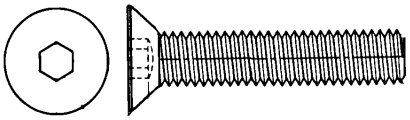
For wet vault lighting.

Stock Unit: EA

Stock No.	Size	Length (in)
012256 E	6-32	3/4

Machine Screw, Hex Socket Flat Countersunk Head — 7801.45

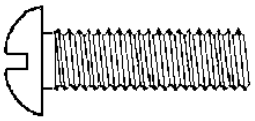
For IWCB bus, stainless steel.



Stock Unit: EA

Stock No.	Size	Length (in)
784440	5/8-11	1-1/2

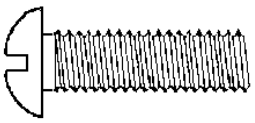
Machine Screw, Round Head Slotted, Zinc-Plated Steel — 7801.45



Stock Unit: EA

Stock No.	Size, Nominal	Length (in)
786526 E	1/4-20	5/8

Machine Screw, Round Head Slotted, Brass — 7801.45



Stock Unit: EA

Stock No.	Size, Nominal	Length (in)
012255 E	8-32	5/8
785787 E	10-32	3/4
013529	10-32	1

Screw, Self-Tapping, Pan Head, Square Drive 7801.50

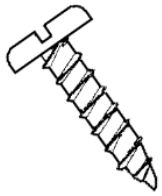
Zinc plated steel.

Stock Unit: EA

Stock No.	Size	Length, in
571807 E	#12	1
571806 E	#12	2

Screw, Sheet Metal Tapping, Pan Head, Slot 7801.50

Zinc plated steel.



Stock Unit: EA

Stock No.	Size	Length, in
787182 E	#8	3/4
787190 E	#10	3/4
787200 E	#12	3/4

Screw, Self-Drilling, Hex Washer Head 7801.50

Stock No. 012565 is for attaching set screw lugs, Stock No. 012564, to streetlight mast arms.

Stock Nos. 015007 and 015008 are for attaching replacement covers to streetlight poles.

Stock Unit: EA

Stock No.	Gauge	Hex Head Size (in)	Length (in)
012565	14	3/8	3/4
015007	"	"	1-1/4
015008	"	"	1-3/4

Swivel Hanger 7801.52

Swivel hangers are used for hanging running thread (Stock No. 780999) from uneven ceilings.

Product details:

- Steel and electrogalvanized or zinc plated
- 1/2"-13 threads
- Minimum ultimate load 3390 lb

Stock Unit: EA

Stock No. 012567

Carriage Bolt, General Use 7804.1

Zinc-coated carriage bolt. For general use. Provided with one square (or hex) nut.

Stock Unit: EA

Stock No.	Size (in), nominal	Thread Length (in)	Bolt Length (in)
780434 E	1/4	3/4	1-1/2
780436 E	"	"	2
780438 E	"	"	2-1/2
780440 E	"	"	3
780441 E	"	"	3-1/2
780442 E	"	"	4
780443 E	"	"	4-1/2
780445 E	"	"	5-1/2
780468 E	5/16	7/8	2-1/2
780471 E	"	7/8	3-1/2
780492 E	3/8	1	1
780494 E	"	"	1-1/2
780496 E	"	"	2
780498 E	"	"	2-1/2
780500 E	"	"	3
780501 E	"	"	3-1/2
780502 E	"	"	4
780503 E	"	"	4-1/2
780504 E	"	"	5
780505 E	"	"	5-1/2
780506 E	"	"	6
780507 E	"	1-1/4	6-1/2
780510 E	"	"	8
780524 E	1/2	"	1-1/2
780530 E	"	"	3
780533 E	"	"	4-1/2
780534 E	"	"	5

Carriage Bolt, High Strength 7804.12

High-strength, zinc-coated, steel carriage bolt. For use with overhead travelers for installation of overhead conductors.

Stock Unit: EA

Stock No.	Size (in), nominal	Threads Per Inch	Thread Length (in)	Bolt Length (in)
013487	7/16 x 8-1/2	14	5-1/2	8-1/2

Carriage Bolt Assembly and Replacement Parts 7804.60

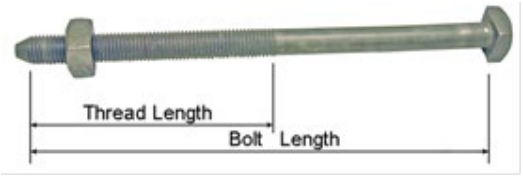
Used for rigging the traveler for installation of overhead conductors. Assembly consists of a carriage bolt, wing nut, and flat washer.

Stock Unit: EA

Stock No.	Description	Dimensions (in), nominal
013486	Carriage bolt assembly	n/a
013487	Carriage bolt, high-strength steel	7/16 x 8-1/2
013488	Wing nut	7/16-14
013489	Flat washer, plain, Type A, narrow	7/16

Bolt, Machine, Square Head, With Square Nut — 7807.15

Zinc-coated, square head, steel machine bolt. Each is provided with one square nut. Used for overhead line construction and where the applied load is primarily a tensile load.



Stock Unit: EA

Size (in), Nominal	Threads Per Inch	Thread Length, Min. (in)	Length (in)	Stock No.
1/2	13	1-1/4	1-1/2	780794 E
	"	"	2	780796 E
	"	"	3	780800 E
	"	3	4-1/2	780803 E
	"	"	5	780804 E
	"	"	5-1/2	780805 E
	"	"	6	780806 E
	"	"	7	780808 E
	"	4	8	780810 E
	"	"	9	780812 E
	"	"	10	780814 E
	"	6	12	780815 E
	"	"	14	780816 E
	"	"	16	780817 E
	"	"	18	780818 E
5/8	11	1-1/2	2	780827 E
	"	"	2-1/2	780828 E
	"	"	3-1/2	780831 E
	"	3	5	780834 E
	"	"	6	780836 E
	"	"	7	780838 E
	"	4	8	780840 E
	"	"	10	780844 E
	"	6	12	780845 E
	"	"	14	780846 E
	"	"	16	780847 E
	"	"	18	780848 E
	"	"	20	780849 E
	"	"	22	780850 E
	"	"	24	781040 E
	"	"	30	781046 E
3/4	10	1-3/4	2	014535
	"	6	12	780875 E
	"	"	14	780876 E
	"	"	16	780877 E
	"	"	18	780878 E
	"	"	20	780879 E
	"	"	22	780880 E
	"	"	24	781070 E
	"	"	26	781072 E
7/8	9	6	12	012636 E
	"	"	14	012637 E
	"	"	16	012638 E
	"	"	18	012639 E
	"	"	20	012640 E
	"	"	22	012643 E
	"	"	24	012641 E
	"	"	26	012642 E

Bolt, Double Arming, Galvanized 7807.32

Double-arming, galvanized bolt and nuts. Used to construct double wood crossarm installations where one crossarm is attached on each side of the pole. Bolts are fitted with four nuts on the bolt.

Stock Unit: EA

Stock No.	Diameter (in)	Bolt Length (in)	Minimum Tensile Strength (lb)
560518 E	5/8	18	12,400
560520 E	"	20	"
560522 E	"	22	"
560524 E	"	24	"
560526 E	"	26	"
560528 E	"	28	"
560530 E	"	30	"
560532 E	3/4	32	18,350

Bolt, Galvanized, Oval Eye 7807.41

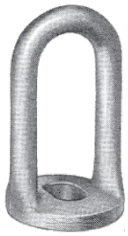
Galvanized oval eye bolt and nut. Oval eye bolts have many uses in overhead line construction, such as securing clevises, links, and deadend insulators.

Stock Unit: EA

Stock No.	Diameter (in)	Length (in)	Tensile Strength (lb)	Thread Length (in)
561010	1/2	10	7700	4
561106	5/8	6	12,400	3
561108	"	8	"	4
561110	"	10	"	4
561112 E	"	12	"	6
561114	"	14	"	"
561116	"	16	"	"
561118	"	18	"	"
561120	"	20	"	"
561122	"	22	"	"
561210	3/4	10	18,300	"
561212	"	12	"	"
561214	"	14	"	"

Eyelet 7807.91

Eyelets have many uses in overhead line construction, such as securing clevises, links, and deadend insulators.



Stock Unit: EA

Stock No.	Size, Nominal (in)
014406 E	5/8
014407 E	3/4

Eye Nut 7808.15

Oval eye, thimble eye, and twin eye nuts.

Oval eye nuts are used for deadening, back-guying, and attaching pole head guys on the threaded end of a crossarm bolt.

Thimble eye (thimbleye) nuts, also known as strand eye nuts, are used to attach through bolts or the threaded end of a straight or angle eye bolt for straight-away guys.

Twin eye (twineye) nuts, also known as twin strand nuts, are used for head or stub guying of two strands of guy wire. The grooves are contoured to protect the guy wire strands.

Stock Unit: EA

Stock No.	Description	Min. Tensile Strength (lb)
565252 E	Oval eye nut	12,400
565254 E	Oval eye nut	18,350
565260 E	Thimble eye nut	18,350
565266 E	Twin eye nut	18,350

Nut, Clevis 7808.19

Galvanized clevis nut, 5/8 in. Clevis nut, pin, and cotter key provided by manufacturer as an assembled unit.

Clevis nuts are used in guying and deadending applications. They connect guy wire, conductor, wire grips, or deadended bails to eye fittings of insulators, eye bolts, and pole eye plates.

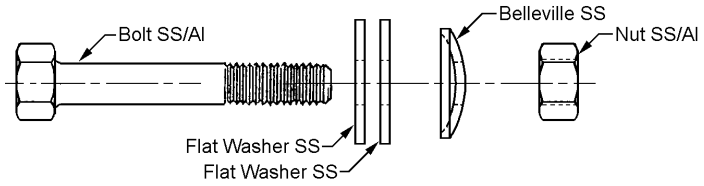
Stock Unit: EA

Stock No.	Minimum Tensile Strength (lb)	Tapped Hole Diameter (in)	Pin Diameter (in)	Clevis Opening (in)
565280	12,400	5/8	5/8	3/4

Prepackaged Bolted Electrical Connection Kit 7820.0

Kit contains one 1/2-inch 13 UNC bolt, one nut, two flat washers, and one Belleville spring washer.

Used for making bolted copper and aluminum electrical connections. Replacement stainless steel parts are supplied separately.



Stock Unit: EA

Stock No.	Bolt Size, Nominal (in)	Bolt Length (in)	Material
782042	1/2	1-1/2	Stainless
782050	"	1-3/4	Aluminum
782040	"	2	Stainless
782051	"	"	Aluminum
782041	"	2-1/2	Stainless
782053	"	"	Aluminum
014584	"	3	Stainless
782052	"	3-1/2	Aluminum

Washer, Belleville Spring, Stainless 7820.0

Used for making up electrical connections.

Replacement parts for kits specified in standard.

Stock Unit: EA

Stock No.	Size (in)
584133	1/2
788300	5/8

Washer, Flat, Plain, Stainless 7820.0

Stainless steel, plain flat washer. For making up electrical connections.

Replacement parts for kits specified in standard.

Stock Unit: EA

Stock No.	Size (in)
788030	1/2
788031	5/8

Washer, Belleville Spring, Zinc-Coated 7820.19

Zinc-coated, steel, Belleville spring washer. Union Spring drawing 4400. Inside dimension 17/32 inches. Outside dimension 1-3/8 inches. Used for making up electrical connections.

Stock Unit: EA

Stock No.	Thickness (in)	Bolt Size (in)
584130	0.102	1/2

Washer, Belleville Spring, Zinc-Coated, Skagit Hi-Line 7820.19

Zinc-coated, steel, Belleville spring washer. Inside dimension 22/32 inches. Outside dimension 2-3/16 inches.

Used on Skagit Hi-Line for making up electrical connections.

Stock Unit: EA

Stock No.	Thickness (in)	Bolt Size (in)
584135	0.188	5/8

Hex Nut, Brass 7829.81

Brass nut with unified course threads. Smaller sizes are for general use.

Stock Unit: EA

Stock No.	Size, Nominal	Threads per inch
783222 E	4	40
783225 E	6	32
783226 E	8	32
783227 E	10	32
783229 E	12	24
783231 E	1/4	20
783302 E	5/16	18
783303 E	3/8	16

Hex Nut, Brass, Jam — 7829.81

Brass jam nut with unified course threads. Used in combination with a thicker nut to provide resistance to loosening.

Stock Unit: EA

Stock No.	Size, Nominal (in)	Threads per inch
783311 E	5/8	11

Hex Nut, Steel, Zinc-Coated, General Use — 7829.81

Zinc-coated steel nut with unified course threads. Smaller sizes are for general use.

Stock Unit: EA

Stock No.	Size, Nominal	Threads per inch
783262 E	4	40
783265 E	6	32
783266 E	8	32
783267 E	10	32
783268 E	10	24
783269 E	12	24

Washer, Flat Round, Hot-Dipped Galvanized — 7829.85

Round, hot-dipped galvanized steel washer. For pole line construction and other general use.

Stock Unit: EA

Stock No.	Size (in)	Bolt Size (in)
585020 E	1	3/8
585025 E	1-3/8	1/2
585030 E	1-3/4	5/8
585035 E	2	3/4
585040 E	2-1/4	7/8
585045 E	2-1/2	1

Washer, Flat Square, Hot-Dipped Galvanized 7829.85

Flat square, hot dipped galvanized steel washer. For pole line construction and other general use.

Stock Unit: EA

Stock No.	Size (in)	Bolt Size (in)
584945 E	3 x 3	1/2
584947	3 x 3	5/8 to 3/4
584963 E	4 x 4	1
585135 E	2-1/4 x 2-1/4	5/8 to 3/4
584928	1-5/8 x 1-5/8	3/4

Washer, Curved Square, Hot-Dipped Galvanized 7829.85

Curved square, hot dipped galvanized steel washer. For pole line construction and other general use.

Stock Unit: EA

Stock No.	Size (in)	Bolt Size (in)
584775 E	4 x 4	5/8 x 7/8

Hex Nut, Steel, Zinc-Coated 7829.90

Used in the underground system, networks, substations, and in a variety of other applications.

Stock Unit: EA

Stock No.	Size (in), Nominal	Threads per inch
782982 E	1/4	20
782983 E	5/16	18
782984 E	3/8	16
012283 E	7/16	14
782986 E	1/2	13
010162 E	5/8	11
782989 E	3/4	10

Hex Nut, Steel, Zinc-Coated, HDG 7829.90

Used in the underground system, networks, substations, and in a variety of other applications. One-inch heavy duty hex nuts (Stock No. 013508) are used in conjunction with cross plate anchors (Stock No. 562058).

Stock Unit: EA

Stock No.	Size (in), Nominal	Threads per inch
783114 E	3/8	16
783116 E	1/2	13
783118 E	5/8	11
783119 E	3/4	10
783121 E	1	8
013508	1	8

Square Nut, Steel, Zinc-Coated, HDG 7829.90

Generally used in the overhead system.

Stock Unit: EA

Stock No.	Size (in), Nominal	Threads per in
783076 E	1/2	13
783078 E	5/8	11
783079 E	3/4	10
012652 E	7/8	9

Hex Nut, Stainless Steel 7829.90

Stainless steel hex nuts are used for making electrical connections and a replacement part for kits specified in SCL 7820.0.

Stock Unit: EA

Stock No.	Size (in), Nominal	Threads per inch
014208	1/2	13

Palnut, Steel, Zinc-Coated 7829.95

May be used alone in light-duty assemblies or on top of ordinary nuts to assure tightness of high-stress assemblies. Palnuts are reusable and much less expensive than traditional nuts.

Stock Unit: EA

Stock No.	Size (in), Nominal
783477	5/8

Wing Nut, Steel 7830.00

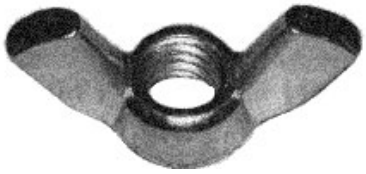
Used with overhead travelers for installation of overhead conductors.

Stock Unit: EA

Stock No.	Size (in), Nominal	Threads per inch
013488	7/16	14

Wing Nut, Brass, Type A 7830.05

Designed with “wings” to facilitate manual turning.



Stock Unit: EA

Stock No.	Size (in)
783376 E	1/4 - 20

Hex Nut, Silicon Bronze 7833.3

Silicon bronze hardware is used to make up electrical connections. Silicon bronze hardware is also used in situations where high-strength and corrosion-resistance is desired.

Stock Unit: EA

Stock No.	Size (in), Nominal	Threads per inch
783321 E	1/4	20
783322 E	5/16	18
783323 E	3/8	16
783325 E	1/2	13
783326 E	5/8	11
783327 E	3/4	10

Cap Screw, Silicon Bronze, Hex Head 7845.1

Silicon bronze hardware is used to make up electrical connections. Silicon bronze hardware is also used in situations where high strength and corrosion resistance is desired.

Stock Unit: EA

Stock No.	Size (in), Nominal	Threads per inch	Length (in)
784503 E	1/4	20	3/4
784505 E	"	"	1
784506 E	"	"	1-1/4
784509 E	"	"	2
784511 E	"	"	2-1/2
784523 E	5/16	18	3/4
784525 E	"	"	1
784529 E	"	"	2
784531 E	"	"	2-1/2
784533 E	"	"	3
784543 E	3/8	16	3/4
784545 E	"	"	1
784546 E	"	"	1-1/4
784547 E	"	"	1-1/2
784548 E	"	"	1-3/4
784549 E	"	"	2
784550 E	"	"	2-1/4
784551 E	"	"	2-1/2
784585 E	1/2	13	1
784586 E	"	"	1-1/4
784587 E	"	"	1-1/2
784588 E	"	"	1-3/4
784589 E	"	"	2
784590 E	"	"	2-1/4
784591 E	"	"	2-1/2
784593 E	"	"	3
784595 E	"	"	4
784605 E	5/8	11	1
784607 E	"	"	1-1/2
784609 E	"	"	2
784627 E	3/4	10	1-1/2
784629 E	"	"	2

Cap Screw, Hex Head, Aluminum, Heavy 7846.10

Aluminum hardware is used to make up bolted aluminum-to-aluminum and aluminum-to-copper electrical connections. This includes connections to integral web channel bus (IWCB) in the Network, transformer and bus terminals, and aluminum lugs in stations and elsewhere.

Aluminum fasteners are anodized and lubricated for corrosion resistance and to prevent galling and seizing.

Stock Unit: EA

Stock No.	Size (in), Nominal	Threads per inch	Length (in)
781809	1/2	13	2
781819	5/8	11	1
781813	"	"	2
781815	"	"	2-1/2
781817	"	"	3

Hex Nut, Aluminum, Heavy 7846.15

Aluminum hardware is used to make up bolted aluminum-to-aluminum and aluminum-to-copper electrical connections. This includes connections to integral web channel bus (IWCB) in the Network, transformer and bus terminals, and aluminum lugs in stations and elsewhere.

Aluminum fasteners are anodized and lubricated for corrosion resistance and to prevent galling and seizing.

Stock Unit: EA

Stock No.	Size (in), Nominal	Threads per inch
783558	1/2	13
783560	5/8	11

Washers, Aluminum Alloy, Flat and Helical Spring 7846.20

Aluminum alloy flat and helical spring washers are used to make up bolted aluminum-to-aluminum and aluminum-to-copper electrical connections in substations, network vaults, and elsewhere.

See SCL 7846.10 for aluminum alloy hex head cap screws and SCL 7846.15 for aluminum alloy hex nuts.

Stock Unit: EA

Stock No.	Size	Description
788253	1/2	Flat washer
788273	"	Helical spring washer
788254	5/8	Flat washer
788274	"	Helical spring washer

Bolt, Steel Hex, 1/4-Inch 7847.1

Zinc-coated, steel hex bolt, general use.

Stock Unit: EA

Size, Nominal (in)	Threads per inch	Minimum Thread Length (in)	Length (in)	Stock No.
1/4	20	full	1/2	784701 E
"	"	"	3/4	784703 E
"	"	3/4	1	784705 E
"	"	"	1-1/4	784706 E
"	"	"	1-1/2	784707 E
"	"	"	1-3/4	784708 E
"	"	"	2	784709 E
"	"	"	2-1/4	784710 E
"	"	"	2-1/2	784711 E
"	"	"	2-3/4	784712 E
"	"	"	3	784713 E
"	"	"	4	784717 E

Bolt, Steel Hex, 5/16-Inch 7847.1

Zinc-coated, steel hex bolt, general use.

Stock Unit: EA

Size, Nominal (in)	Threads per inch	Minimum Thread Length (in)	Length (in)	Stock No.
5/16	18	full	1/2	784731 E
"	"	"	3/4	784733 E
"	"	7/8	1	784735 E
"	"	"	1-1/4	784736 E
"	"	"	1-1/2	784737 E
"	"	"	1-3/4	784738 E
"	"	"	2	784739 E
"	"	"	2-1/4	784740 E
"	"	"	2-1/2	784741 E
"	"	"	2-3/4	784742 E
"	"	"	3	784743 E

Bolt, Steel Hex, 3/8-Inch 7847.1

Zinc-coated, steel hex bolt, general use.

Stock Unit: EA

Size (in), Nominal	Threads per inch	Minimum Thread Length (in)	Length (in)	Stock No.
3/8	16	full	3/4	784763 E
"	"	"	1	784765 E
"	"	1	1-1/4	784766 E
"	"	"	1-1/2	784767 E
"	"	"	1-3/4	784768 E
"	"	"	2	784769 E
"	"	"	2-1/4	784770 E
"	"	"	2-1/2	784771 E
"	"	"	2-3/4	784772 E
"	"	"	3	784773 E
"	"	"	3-1/2	784775 E

Bolt, Steel Hex, 7/16-Inch 7847.1

Zinc-coated, steel hex bolt, general use.

Stock Unit: EA

Size (in), Nominal	Threads per inch	Minimum Thread Length (in)	Length (in)	Stock No.
7/16	14	full	1	784795 E
"	"	1-1/8	1-1/4	784796 E
"	"	"	1-1/2	784797 E
"	"	"	2	784799 E

Bolt, Steel Hex 1/2-Inch 7847.1

Zinc-coated, steel hex bolt, general use.

Stock Unit: EA

Size (in), Nominal	Threads per inch	Minimum Thread Length (in)	Length (in)	Stock No.
1/2	13	full	3/4	784823 E
"	"	"	1	784825 E
"	"	"	1-1/4	784826 E
"	"	1-1/4	1-1/2	784827 E
"	"	"	1-3/4	784828 E
"	"	"	2	784829 E
"	"	"	2-1/4	784830 E
"	"	"	2-1/2	784831 E
"	"	"	2-3/4	784832 E
"	"	"	3	784833 E
"	"	"	3-1/4	784834 E
"	"	"	3-1/2	784835 E
"	"	"	4	784837 E
"	"	"	5	784841 E

Bolt, Steel Hex, 5/8-Inch 7847.1

Zinc-coated, steel hex bolt, general use.

Stock Unit: EA

Size (in), Nominal	Threads per inch	Minimum Thread Length (in)	Length (in)	Stock No.
5/8	11	full	1	784885 E
"	"	"	1-1/4	784886 E
"	"	"	1-1/2	784887 E
"	"	1-1/2	1-3/4	784888 E
"	"	"	2	784889 E
"	"	"	2-1/4	784890 E
"	"	"	2-1/2	784891 E
"	"	"	2-3/4	784892 E
"	"	"	3	784893 E
"	"	"	3-1/2	784895 E
"	"	"	4	784897 E

Bolt, Steel Hex, 3/4-Inch 7847.1

Zinc-coated, steel hex bolt, general use.

Stock Unit: EA

Size (in), Nominal	Threads per inch	Minimum Thread Length (in)	Length (in)	Stock No.
3/4	10	full	1-1/2	784917 E
"	"	"	1-3/4	784918 E
"	"	1-3/4	2	784919 E
"	"	"	2-1/2	784921 E
"	"	"	2-3/4	784922 E
"	"	"	3	784923 E
"	"	"	3-1/2	784925 E
"	"	"	4	784927 E

Cap Screw, Steel Hex Head, High Strength 7847.2

High strength, zinc-coated, hex head cap screws conforming to the requirements of ASTM A449. For use on network protectors. An ASTM A449 steel cap screw is equivalent in strength to an SAE Grade 5 fastener.

Type Marking

Stock Unit: EA

Stock No.	Size (in), Nominal	Threads per inch	Length (in)
011910 E	1/2	13	1-1/4
011911 E	"	"	1-1/2
011912 E	"	"	1-3/4

Bolts, Penta-Head, Stainless Steel 7847.47

Machine thread type.

Used to provide extra security to handholes and vault doors.

Stock Unit: EA

Stock No.	Diameter (in)	Threads per inch	Length (in)
014743	3/8	16	1-1/2
014744	1/2	13	2-1/2

Tamper-Proof Screws and Installation Tools 7847.55

These screws are also known as Penta-Plus bolts. The tools are also known as bits.

Low-profile, button-head machine screw design.

Provided with Raptor Claw option (serrations on underside of head).

With their unique head design, tamper-proof screws provide streetlight handholes with extra security by making them very difficult to remove them without the very special tools also specified in the standard.

Stock Nos. 014911, 014912, and 014913 are for use with Chief Seattle streetlight bases.

This product is considered tamper-**proof** because the sale and distribution of the removal tools are completely controlled by the manufacturer.

Serrations on the underside of the head cut and dig into the metal substructure effectively creating a “lock”.

This product can be used in any application that would benefit from a more difficult-to-remove fastener.

Stock No.	Description
014911	Penta-Plus set screw, 1/4-20 x 3/8
014722	Penta-Plus button-head screw, 1/4-20 x 1
014723	Penta-Plus button-head screw, 3/8-16 x 1-1/2
014724	Penta-Plus button-head screw, 1/2-13 x 1-1/2
014912	Penta-Plus flat-head screw, 10-24 x 1
014725	Tool for 1/4-20 and 10-24 Penta Plus flat-head or button-head screws
014726	Tool for 3/8-16 Penta-Plus flat-head or button-head screws
014727	Tool for 1/2-13 Penta-Plus flat-head or button-head screws
014913	Tool for 1/4-inch Penta Plus set screws

Lag Screw, Gimlet Point 7852.10

Zinc-coated steel, square head, gimlet-point lag screw; used in overhead line construction and where the applied load is primarily a tensile load.

Gimlet-point lag screws are generally twisted into wood members.

Stock Unit: EA

Stock No.	Size (in), Nominal	Length (in)
785212 E	1/4	2
785213 E	"	2-1/2
785214 E	"	3
785243 E	3/8	2-1/2
785244 E	"	3
785245 E	"	3-1/2
013746 E	1/2	4

Lag Screw, Fetter Drive 7852.10

Zinc-coated steel, square head, fetter-drive lag screw; used in overhead line construction and where the applied load is primarily a tensile load.

Fetter-drive lag screws are generally installed with a hammer.

Stock Unit: EA

Stock No.	Size (in), Nominal	Length (in)
785246 E	3/8	4
785261 E	1/2	4
785265 E	1/2	6

Anchor Screw, Hex Head 7852.15

Anchor screws are used primarily in the Network environment for mounting building vault lighting as well as grounding and securing equipment. Anchor screws may also be used in other environments when appropriate.

In Network applications, anchor screws are used instead of nail-in fasteners for their superior holding strength.

Anchor screws may be used on concrete, wood, or plastic.

Anchor screws are not intended for use with seismically rated equipment such as vault transformers or switchgear.

Anchor screws are also known as “Tapcon screws.”

Stock Unit: EA

Stock No.: 013995

Washers, Copper Alloy, Plain, External Tooth, and Split Lock 7880.2

Copper alloy washers are used in conjunction with silicon bronze cap screws and nuts to make up electrical connections. Silicon bronze hardware is also used in situations where high-strength and corrosion-resistance is desired.

Stock Unit: EA

Size (in), Nominal	Plain	External Tooth	Split Lock
1/4	788022	788101	788121
5/16	788025	788102	788122
3/8	788024	788103	788123
1/2	788026	788104	788125
5/8	788027	788105	788126
3/4	788028	–	788127

Washers, Flat Plain and Split Lock, Brass and Copper Alloy 7880.32

Washer nominal size refers to what size of fastener a washer will work with.

Stock Unit: EA

Stock No.	Size, nominal	Type	Material
788006	1/4	Flat, plain	Brass
788010	1/2	"	"
788117	No. 6	Split lock, helical spring	Copper alloy
788118	No. 8	"	"
788119	No. 10	"	"

Washer, Steel, Flat 7880.34

Zinc-coated, plain flat washer, conforming to ANSI B18.22.1, Table 2, for Type B Plain, Regular. Smaller sizes for general use. Use stock numbers specified in SCL 7829.85 for pole line construction.

Stock Unit: EA

Stock No.	Size (in)
788041 E	3/16
788042 E	1/4
788043 E	5/16
788044 E	3/8
788045 E	7/16
788046 E	1/2
788048 E	5/8
788071 E	4
788072 E	6
788073 E	8

Washer, Zinc-Plated Steel, Lock, External-Tooth, Large-Diameter, 1/2-Inch 7880.36

Used to replace missing parts associated with brackets used for overhead construction, such as for cutout/arrester mounting brackets.

Stock Unit: EA

Stock No.: 014537

Push Nut Bolt Retainer 7880.38

Push nut bolt retainers temporarily hold pre-inserted bolts in place until they are installed in the field. They are used to replace missing parts associated with brackets used for overhead construction, such as for cutout/arrester mounting brackets.

Stock Unit: EA

Stock No.: 015009