

WIRE, COPPER, BARE, SOFT-DRAWN



1. Scope

This standard covers the requirements for bare, copper, soft-drawn, stranded wire.

This standard applies to the following Seattle City Light Stock Numbers:

Stock Number	Size, AWG/kcmil	Packaging
610434	#2	reel
610425	2/0	reel
610414	4/0	reel
610412	250	reel
610397	500	reel

2. Application

For grounding, jumpers, and other general use.

3. Industry Standards

Cable shall meet the applicable requirements of the following industry standards:

ASTM B3-01 – Standard Specification for Soft or Annealed Copper Wire, 2001

ASTM B8-04 – Standard Specification for Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard, or Soft, 2004

NEMA WC 26-2000 (EEMAC 201-2000) Binational Wire and Cable Packaging Standard

4. Construction

Wire shall meet the requirements of ASTM B8 and **Table A** with the following clarifications:

Conductor alloy shall be soft or annealed, uncoated copper.

Table A

Stock Number	Size, AWG/kcmil	Number of Strands	Class
610434	#2	7	B
610425	2/0	7	A
610414	4/0	19	B
610412	250	37	B
610397	500	37	B

5. Packaging

5.1 Quantity




Actual quantity per reel may vary from the quantity stated on the Purchase Order by plus or minus 10%.

5.2 Reels

Reels shall be reusable wood type, Class 1 or 2.

Reels may be new or recycled.

Recycled reels (when provided) shall be have the surface of both outside flanges painted over with a solid color.

standards coordinator	standards supervisor	unit director
 John Shipek	 John Shipek	 Darnell Cola

MATERIAL STANDARD

Wire, Copper, Bare, Soft-Drawn

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5. Packaging, continued**5.2 Reels, continued**

Recycled reels (when provided) shall be equivalent to new in quality and strength.

Reels shall be protected for shipment with coverings consistent with the recommendations of NEMA WC-26, Section 4.

Reels shall be provided with metal bushings if the gross weight of the reel exceeds 1,000 pounds.

5.3 Securing of Cable Ends

The inner end of the cable shall be brought to the outside of the reel flange and securely fastened with appropriately sized steel staples.

The inner end shall not be brought out through the reel arbor.

The outer end shall be securely fastened with appropriately sized steel staples to the inner side of the flange or tied off and secured as with plastic wrap.

5.4 Marking

Each reel shall be legibly marked with the following information:

- Manufacturer's identification
- Product description
- Shipping length of cable on reel
- Gross weight
- Tare weight
- Net weight
- Date of manufacture
- Reel identification according to NEMA WC-26, Section 5
- Seattle City Light's Purchase Order Number
- Seattle City Light's Stock Number

5.5 Detailed Requirements

Wire shall be packaged on reels according to the requirements of NEMA WC-26 and **Table B**.

Table B

Stock Number	Size, AWG/ kcmil	Length per Reel ± 10%, ft	Outside Flange Diameter, Maximum, in	Inside Traverse Width, Maximum, in	Weight per 100 ft., Approx., lbs	Weight per Reel, Approx., lbs
610434	#2	5,280	40	24	021	1,108
610425	2/0	5,280	40	24	041	2,165
610414	4/0	3,450	40	24	65	2,243
610412	250	3,000	40	24	77	2,310
610397	500	1,500	40	24	154	2,310

6. Shipping

Reels shall be shipped and delivered in the upright position (on the flange edges) on open flatbed trucks suitable for side unloading by forklift.

Reels shall not be strapped or palleted.

Wire shall be shipped to the address specified on the Purchase Order.

7. Issuance

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8. Approved Manufacturers

Nehring Electrical Works Company
Service Wire
Southwire