

Conduit Body Assemblies, Metallic



1. Scope

This standard covers the requirements for metallic conduit body assemblies that are used with rigid steel, rigid aluminum, intermediate metal conduit (IMC), and electrical metallic tubing (EMT) conduit.

For non-metallic conduit bodies, see SCL 7050.15.

This standard applies to the Seattle City Light (SCL) stock numbers cited in Section 7.

Conduit bodies are also commonly known as condulets.

2. Application

Conduit bodies are used with metal conduits to construct raceway systems for branch circuits. They serve as junctions for branch circuits and provide an access point for pulling, splicing, and maintenance.

3. Industry Standards

Conduit bodies shall meet the applicable requirements of the latest revision of the following industry standards:

UL 514A, Metallic Outlet Boxes

UL 514B, Conduit, Tubing, and Cable Fittings

NEMA FB-1, Fittings, Cast Metal Boxes, and Conduit Bodies for Conduit, Electrical Metallic Tubing (EMT), and Cable

4. Requirements

Metallic conduit bodies shall have the following attributes:

- 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

Figure 4. Conduit Body Assembly



5. Packaging

Conduit body assemblies shall be packaged to prevent damage during shipping, handling, and storage.

Conduit bodies, covers, and gaskets shall be supplied either as completely assembled units or all components individually packaged as assemblies in durable plastic bags.

Each standard package shall be legibly marked with the following information:

- Manufacturer identification
- Product description
- SCL stock number
- Quantity

Each shipping container shall be legibly marked with the following information:

- SCL purchase order number
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6. Issuance

Stock Unit: EA

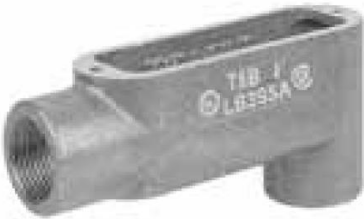
7. Approved Manufacturers

7.1 Type "C" Conduit Body



| Stock No. | Trade Size (in) | Appleton/Emerson Part No. | | | Cooper Crouse-Hinds Part No. | | | ABB/Carlton/T&B/Steel City Part No. | | |
|-----------|-----------------|---------------------------|--------|----------|------------------------------|-------|----------|-------------------------------------|-------|----------|
| | | Body | Cover | Gasket | Body | Cover | Gasket | Body | Cover | Gasket |
| 732527 | 1/2 | C19 | APP190 | GASK1941 | C19 | 190 | GASK1941 | C19SA | 190SA | GASK1941 |
| 732528 | 3/4 | C29 | APP290 | GASK1942 | C29 | 290 | GASK1942 | C29SA | 290SA | GASK1942 |

7.2 Type "LB" Conduit Body



| Stock No. | Trade Size | Appleton/Emerson Part No. | | | Cooper Crouse-Hinds Part No. | | | ABB/Carlton/T&B/Steel City Part No. | | |
|-----------|------------|---------------------------|--------|----------|------------------------------|-------|----------|-------------------------------------|-------|----------|
| | | Body | Cover | Gasket | Body | Cover | Gasket | Body | Cover | Gasket |
| 732574 | 1/2 | LB19 | APP190 | GASK1941 | LB19 | 190 | GASK1941 | LB19SA | 190SA | GASK1941 |
| 732575 | 3/4 | LB29 | APP290 | GASK1942 | LB29 | 290 | GASK1942 | LB29SA | 290SA | GASK1942 |
| 732576 | 1 | LB39 | APP390 | GASK1943 | LB39 | 390 | GASK1943 | LB39SA | 390SA | GASK1943 |
| 732577 | 1-1/4 | LB49 | APP490 | GASK1944 | LB49 | 490 | GASK1944 | LB49SA | 490SA | GASK1944 |
| 732578 | 1-1/2 | LB59 | APP590 | GASK1945 | LB59 | 590 | GASK1945 | LB59SA | 590SA | GASK1945 |
| 732579 | 2 | LB69 | APP690 | GASK1946 | LB69 | 690 | GASK1946 | LB69SA | 690SA | GASK1946 |
| 732580 | 2-1/2 | LB789 | APP889 | GASK808N | LB789 | 889 | GASK808N | LB789SA | 889SA | GASK808N |

7.3 Type "LR" Conduit Body



| Stock No. | Trade Size | Appleton/Emerson Part No. | | | Cooper Crouse-Hinds Part No. | | | ABB/Carlton/T&B/Steel City Part No. | | |
|-----------|------------|---------------------------|--------|----------|------------------------------|-------|----------|-------------------------------------|-------|----------|
| | | Body | Cover | Gasket | Body | Cover | Gasket | Body | Cover | Gasket |
| 732607 | 1/2 | LR19 | APP190 | GASK1941 | LR19 | 190 | GASK1941 | LR19SA | 190SA | GASK1941 |
| 732608 | 3/4 | LR29 | APP290 | GASK1942 | LR29 | 290 | GASK1942 | LR29SA | 290SA | GASK1942 |
| 732609 | 1 | LR39 | APP390 | GASK1943 | LR39 | 390 | GASK1943 | LR39SA | 390SA | GASK1943 |
| 732610 | 1-1/4 | LR49 | APP490 | GASK1944 | LR49 | 490 | GASK1944 | LR49SA | 490SA | GASK1944 |
| 732611 | 1-1/2 | LR59 | APP590 | GASK1945 | LR59 | 590 | GASK1945 | LR59SA | 590SA | GASK1945 |
| 732612 | 2 | LR69 | APP690 | GASK1946 | LR69 | 690 | GASK1946 | LR69SA | 690SA | GASK1946 |

7.4 Type "LL" Conduit Body



| Stock No. | Trade Size | Appleton/Emerson Part No. | | | Cooper Crouse-Hinds Part No. | | | ABB/Carlton/T&B/Steel City Part No. | | |
|-----------|------------|---------------------------|--------|----------|------------------------------|-------|----------|-------------------------------------|-------|----------|
| | | Body | Cover | Gasket | Body | Cover | Gasket | Body | Cover | Gasket |
| 732596 | 1/2 | LL19 | APP190 | GASK1941 | LL19 | 190 | GASK1941 | LL19SA | 190SA | GASK1941 |
| 732597 | 3/4 | LL29 | APP290 | GASK1942 | LL29 | 290 | GASK1942 | LL29SA | 290SA | GASK1942 |
| 732598 | 1 | LL39 | APP390 | GASK1943 | LL39 | 390 | GASK1943 | LL39SA | 390SA | GASK1943 |
| 732600 | 1-1/2 | LL59 | APP590 | GASK1945 | LL59 | 590 | GASK1945 | LL59SA | 590SA | GASK1945 |
| 732601 | 2 | LL69 | APP690 | GASK1946 | LL69 | 690 | GASK1946 | LL69SA | 690SA | GASK1946 |

7.5 Type "T" Conduit Body



| Stock No. | Trade Size | Appleton/Emerson Part No. | | | Cooper Crouse-Hinds Part No. | | | ABB/Carlton/T&B/Steel City Part No. | | |
|-----------|------------|---------------------------|--------|----------|------------------------------|-------|----------|-------------------------------------|-------|----------|
| | | Body | Cover | Gasket | Body | Cover | Gasket | Body | Cover | Gasket |
| 732625 | 1/2 | T19 | APP190 | GASK1941 | T19 | 190 | GASK1941 | T19SA | 190SA | GASK1941 |
| 732629 | 3/4 | T29 | APP290 | GASK1942 | T29 | 290 | GASK1942 | T29SA | 290SA | GASK1942 |
| 732634 | 1 | T39 | APP390 | GASK1943 | T39 | 390 | GASK1943 | T39SA | 390SA | GASK1943 |
| 732639 | 1-1/4 | T49 | APP490 | GASK1944 | T49 | 490 | GASK1944 | T49SA | 490SA | GASK1944 |
| 732646 | 1-1/2 | T59 | APP590 | GASK1945 | T59 | 590 | GASK1945 | T59SA | 590SA | GASK1945 |

8. References

SCL Material Standard 7050.15; "Conduit Bodies, Non-Metallic"

9. Sources

ABB, Catalog B68, T&B Fittings – Industrial Fittings

Cooper Crouse-Hinds, Catalog 1F, Condulet Conduit Outlet Bodies, 2006

Emerson, FM9 Aluminum Conduit Outlet Bodies, Covers and Gaskets, 2018

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