

Bushings, Insulated, Plastic



1. Scope

This standard covers the requirements for insulating bushings with and without steel locknuts.

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

2. Application

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).

3. Industry Standards

Insulating bushings shall meet the applicable requirements of the latest revision of the following industry standards:

NEMA FB 1; "Fittings, Cast Metal Boxes, and Conduit Bodies for Conduit, Electrical Metallic Tubing, and Cable"

UL 514B; "Conduit, Tubing, and Cable Fittings"

4. Requirements

Product requirements shall be as defined in Section 7.

5. Packaging

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

6. Issuance

Stock Unit: EA

7. Approved Manufacturers

7.1 Insulating Bushing, Threaded

Bushings shall have the following attributes:

- High impact black thermosetting phenolic construction
- 105-degree C-rated

Figure 7.1 Insulating Bushing, Threaded



Table 7.1. Approved Manufacturers

Stock No.	Trade Size (in)	O-Z/Gedney Part No.	Bridgeport Part No.
731565	1/2	A-50	321
731566	3/4	A-75	322
731567	1	A-100	323
731568	1-1/4	A-125	324
731569	1-1/2	A-150	325
731570	2	A-200	326
731571	2-1/2	A-250	327
731572	3	A-300	328
731573	3-1/2	A-350	329
731574	4	A-400	330
731575	5	A-500	331

7.2 Insulating Bushing with Steel Locknut

Bushings shall have the following attributes:

- High impact black thermosetting phenolic construction
- Steel locknut
- 105-degree C-rated

Figure 7.2 Insulating Bushing with Steel Locknut



Table 7.2. Approved Manufacturers

Stock No.	Trade Size (in)	O-Z/Gedney Part No.
731591	1/2	BBL-50
731592	3/4	BBL-75
731593	1	BBL-100
731594	1-1/4	BBL-125
731595	1-1/2	BBL-150

8. Sources

Shetab, Muneer; SCL Standards Engineer, originator, and subject matter expert for 7050.33 (muneer.shetab@seattle.gov)

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