

Ferrules, Insulated



1. Scope

This standard covers the requirements for insulated ferrules.

This standard applies to the following Seattle City Light stock numbers:

Stock No.	Description
014907	#14 AWG, blue, 17 mm length
014915	#12 AWG, gray, 17 mm length

2. Application

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 intended 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.

3. Requirements

Ferrules with plastic sleeves shall be made from soft, tin-plated electrolytic copper.

Ferrules shall meet the requirements of Table 3 and Figure 3.

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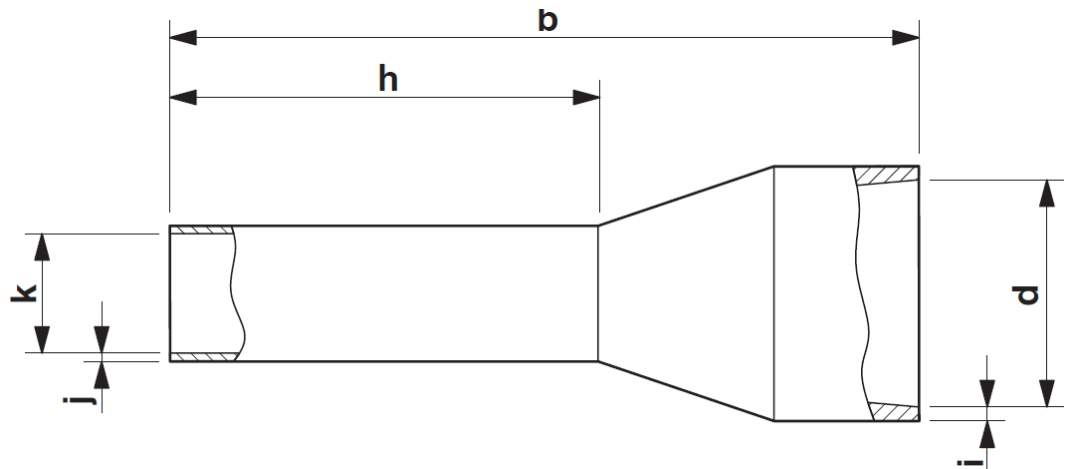
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Table 3. Dimensions and Other Attributes

Stock No.	014907	014915
Length (b)	17 mm	17 mm
Sleeve length (h)	10 mm	10 mm
Maximum stripping length	13 mm	13 mm
Insulating collar inner dimension (d)	4.2 mm	4.8 mm
Sleeve diameter (k)	2.3 mm	2.8 mm
Insulating collar thickness (i)	0.3 mm	0.3 mm
Sleeve wall thickness (j)	0.15 mm	0.2 mm
Maximum conductor cross section	#14 AWG	#12 AWG
Color	Blue	Gray

Figure 3. Dimension Key (see Table 3)



4. Packaging

Insulated ferrules shall be packaged to prevent damage during shipping, handling, and storage.

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

- Manufacturer identification
- Product description
- Seattle City Light stock number
- Quantity contained

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

- Seattle City Light purchase order number

5. Issuance

Stock unit: EA

6. Approved Manufacturers

Stock No.	Manufacturer	Description	Item Number
014907	Phoenix Contact	#14 AWG, blue, 17 mm length	3202533
014915	Phoenix Contact	#12 AWG, gray, 17 mm length	3200535

7. References

SCL Material Standard 6771.45; Terminal Block System Elements, DIN Rail, Modular

8. Sources

Cohn, Cole; SCL PACE II Relay and subject matter expert for 6771.32

Hughes, Michael; SCL South Stations Coordinator and subject matter expert for 6771.32

Rai, Rajinder; SCL Substation Engineering and subject matter expert for 6771.32

Shetab, Muneer; SCL Standards Engineer and subject matter expert for 6771.32

Shipek, John; SCL Standards Engineering Supervisor and originator of 6771.32

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