

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
012617	#12 AWG, gray, 20 mm length
012618	#14 AWG, blue, 18 mm length
014907	#14 AWG, blue, 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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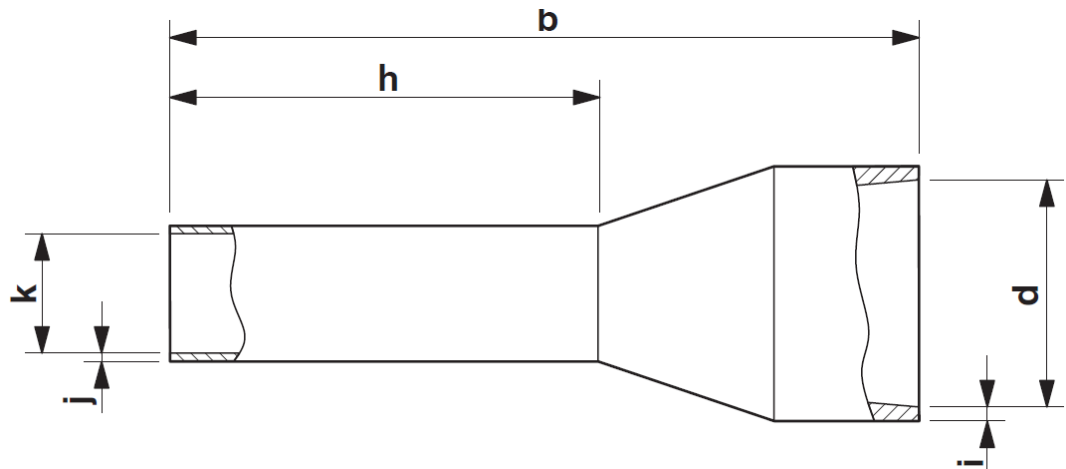
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Table 3. Dimensions and Other Attributes

Stock No.	012617	012618	014907
Length (b)	20 mm	18 mm	17 mm
Sleeve length (h)	12 mm	12 mm	10 mm
Maximum stripping length	15 mm	15 mm	13 mm
Insulating collar inner dimension (d)	4.8 mm	4.2 mm	4.2 mm
Sleeve diameter (k)	2.3 mm	2.3 mm	2.3 mm
Insulating collar thickness (i)	0.3 mm	0.3 mm	0.3 mm
Sleeve wall thickness (j)	0.2 mm	0.15 mm	0.15 mm
Maximum conductor cross section	#12 AWG	#14 AWG	#14 AWG
Color	Gray	Blue	Blue

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
012617	Phoenix Contact	#12 AWG, gray, 20 mm length	3200959
012618	Phoenix Contact	#14 AWG, blue, 18 mm length	3200962
014907	Phoenix Contact	#14 AWG, blue, 17 mm length	3202533

7. References

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

8. Sources

SCL Material Standard 2903.20; Switch, Test, 600 Volt, 30 Amp (renumbered to 6771.45 in October 2015)

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