

Connector, Thin-Wall, Pressure-Tap, Copper



1. Scope

This standard covers the requirements for thin-wall, pressure-tap, copper connectors. These connectors are also known as C-connectors.

This standard covers the Seattle City Light (SCL) stock numbers cited in Table 4.

2. Application

Thin-wall, pressure-tap connectors are:

- Used to make a variety of overhead and underground connections.
- Rated at 600 V.
- Range-taking.
- Color-keyed for ease of identification and installation.

See Table 4 for wire strip lengths.

3. Industry Standards

Thin-wall, pressure-tap connectors shall meet the requirements of the latest revision of the following industry standards:

- UL 486A-486B**; Wire Connectors
- UL 486C**; Splicing Wire Connectors
- UL 467**; Grounding and Bonding Equipment




4. Requirements

Thin-wall, pressure-tap connectors shall be:

- Made from high conductivity, wrought copper.
- Reinforced with ribs.
- UL Listed (486A-486B) for 600 V, wire connector applications.
- UL Listed (486C) for 600 V, splicing wire connector applications.
- UL Listed (467) for grounding and bonding applications.
- UL approved for underground applications.

The following table shows the wire strip lengths and other characteristics for thin-wall, pressure-tap connectors.

Table 4. Wire Strip Lengths

Stock No.	Accommodates Run (AWG)	Tap (AWG)	Color	Code	Wire Strip Length (in)
013633	#4	#4		Pink	1-13/16
	#3	#5			
	#2	#12-#6			
013634	#6	#8-#6		Brown	1-3/16
	#5, #4	#12-#8			
013635	#8	#12-#8		Gray	5/8
	#6	#12-#10			

5. Issuance

Stock Unit: EA

6. Approved Manufacturers

Stock No.	Burndy	Thomas & Betts
013633	YC2L12	54730
013634	YC4L12	54720
013635	YC6L12	54715

7. References

SCL Construction Standard 1714.30; "Streetlight Handhole Connections"

8. Sources

Burndy Compression Master Catalog; burndy.com

Chao, Yaochiem; SCL Standards Engineer and originator of 6773.61 (yaochiem.chao@seattle.gov)

Edwards, Tommy; SCL Electrical Reviewer and subject matter expert for 6773.61 (tommy.edwards@seattle.gov)

Tilley, Kathy; SCL Electrical Engineering Support Specialist and subject matter expert for 6773.61 (kathy.tilley@seattle.gov)