

Repair Sleeves, Compression, ACSR



1. Scope

This standard covers the requirements for ACSR compression repair sleeves.
This standard applies to Seattle City Light (SCL) Stock No. 659859.

2. Application

Repair sleeves are intended to reinforce broken or damaged strands on 795 kcmil, 30/19, ACSR (Mallard) conductors. Repair sleeves are installed with a 14CD die.
Repair sleeves are not suitable for use as a splice.

3. Industry Standards

Repair sleeves shall meet the applicable requirements of the latest revision of the following industry standard:

ANSI C119.4 - American National Standard for Electric Connectors – Connectors for Use Between Aluminum-to-Aluminum and Aluminum-to-Copper Conductors Designed for Normal Operations at or Below 93° C and Copper-to-Copper Conductors Designed for Normal Operation at or Below 100°C

4. Requirements

Repair sleeves shall:

- Be made of high-strength aluminum alloy
- Restore 95 percent of the rated strength of standard ACSR conductor where less than one-third of the strands are damaged
- Have a nominal splice body length (before compression) of 16.8 inches

5. Markings

Each repair sleeve body shall be clearly and indelibly marked with the following:

- Manufacturer name or symbol
- Aluminum or copper application
- Conductor range
- Catalog number
- Die size

6. Packaging

Repair sleeves shall be packaged to prevent damage during shipping, handling, and storage.

Individual packages shall be legibly marked with:

- Manufacturer name
- Manufacturer part number
- Product description
- Seattle City Light stock number

Shipping containers shall be legibly marked with:

- Seattle City Light purchase order number

7. Issuance

EA

8. Approved Manufacturers

Stock No.	Conductor Size (kcmil)	Conductor Code Word	AFL (Formerly Alcoa)
659859	795	Mallard	RS14

9. Sources

AFL, Quick Compress Compression Joints for ACSR Conductor, CJ Series, PP-3-00760, Revision 2, 1.20.16, 2003

www.AFLGLOBAL.com

Stock Catalog Page 65-1 (January 8, 2014)

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