

## Splices, Automatic Full-Tension Guy Strand



### 1. Scope

This standard covers the requirements for automatic splices used for overhead and support guy wires.

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

Stock No.	Wire Diameter (in)
014441	1/4
565337	5/16
565338	7/16
010699	1/2

### 2. Application

Automatic splices are used to splice overhead or support guy wires. Automatic splices are designed for use on high strength (HS), Common (Com), Siemens-Martin (SM), Utility (Util), and Bell system strand.

1/4-inch automatic splices are used to join 1/4-inch support strand, overhead, fiber-optic duct.

### 3. Industry Standards

Automatic splices shall meet the applicable requirements of the following industry standard:

**ASTM B210**; Standard Specification for Aluminum Alloy Drawn Seamless Tubes

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#### 4. Requirements

Each automatic splice shall be made from the following:

- Shell: high strength aluminum alloy
- Jaws: plated steel

Each automatic splice shall be an integral unit after assembly.

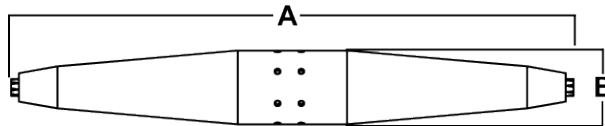
Each automatic splice shall be capable of holding a minimum of 90% of the rated breaking strength of the guy wire.

Automatic splices shall meet the requirements described in Table 4.

**Table 4. Deadend Requirements**

Stock No.	Nominal Dimensions (in)			Wire Range (in)
	Wire Diameter (in)	A	B	
014441	1/4	7.6	1.1	.215-.270
565337	5/16	8.6	1.2	.270-.315
565338	7/16	10.6	1.5	.392-.455
010699	1/2	10.8	1.7	.455-.520

**Figure 4. Automatic Splice Requirements**



#### 5. Marking

Marking for each automatic splice shall include, but not be limited to, the following:

- Company name or logo
- Part identification
- Date of manufacture (month and year)
- Country of origin
- Strand sizes and wire size ranges

#### 6. Packaging

Automatic splices shall be shipped assembled.

The standard package quantity shall not exceed four per box.

Each automatic splice shall be packaged in an individual plastic bag.

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

- Manufacturer identification
- Product description
- SCL stock number
- Quantity contained

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

- Manufacturer identification
- Product description
- SCL purchase order number
- SCL stock number

## 7. Issuance

Stock unit: EA

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## 8. Approved Manufacturers

Stock No.	Size (in)	Hubbell Power Systems Catalog No.	MacLean Power Systems Catalog No.
014441	1/4	GLS5000	5040
565337	5/16	GLS5041	5041
565338	7/16	GLS5043	5043
010699	1/2	GLS5044	5044

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## 9. Sources

**SCL Material Standard 5653.4 (canceled)**; "Splices, Automatic Full-Tension Guy Strand"

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