

## Springs, Constant Force



### 1. Scope

This standard covers the requirements for constant force springs.

This standard applies to the Seattle City Light (SCL) stock numbers cited in Section 3.

Constant force springs are also known as clock springs.

### 2. Application

Constant force springs are available as stock items in the event the springs that are included in adapter kits are lost, damaged, or the wrong size.

Stock No. 686514 is applied to #1 to 3/0 AWG, 15 kV and #8 AWG, 27 kV, Kerite.

Stock No. 686516 is applied to 350 to 500 kcmil, 28 kV and 350 to 750 kcmil, 15 kV.

Stock No. 012127 is applied to 750 to 1000 kcmil, 28 kV and 1000 kcmil, 15 kV.

### 3. Requirements

Constant force springs shall conform to the following requirements:

Stock No.	Width (in)	Outside Diameter (in)	Application Range, Cable Jacket Diameter (in)
686514	5/8	3/4	0.80 to 1.50
686516	5/8	1	1.00 to 2.20
012127	5/8	1-1/2	1.50 to 3.00

### 4. Packaging

Product 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
- 

## 5. Issuance

Stock Unit: EA

---

## 6. Approved Manufacturers

<b>Stock No.</b>	<b>Manufacturer</b>	<b>Catalog No.</b>
686514	3M	CFS-.80/1.50
686516	3M	CFS-1.00/2.20
012127	3M	CFS-1.50/3.00

---

## 7. Sources

**SCL Stock Catalog page 70-24**; September 18, 2017

**Lu, Curtis**; SCL Standards Engineer and originator of 6863.21

**[www.3m.com](http://www.3m.com)**