

# 3M™ Scotchlok™

## Moisture Resistant Self-Stripping Electrical Spring Connector 316IR

Data Sheet

November 2010

**Applications** 3M™ Scotchlok™ Electrical Spring Connector 316IR is used to electrically connect two or three wire ends, insulate the connection and provide a moisture-resistant seal without stripping of the wires.

**Agency Approvals, Self Certifications, Mil Specs** Meets requirements of:  
UL Listed, Standard 486C, UL File E23438

**Wire Range** 22-16 AWG solid or stranded copper conductors with a maximum insulation diameter of .160 inches

**Construction**  
U-Contact: Tin-plated brass, .02 in. (0,5 mm) thick  
Insulator: Flame-retardant nylon  
Color: Black cap -White body  
Sealant: Mineral Oil Base  
EG-3 grease

**Specifications**  
Voltage Rating: 600 volts maximum  
Temperature Rating: 105 Deg C (221 Deg F)  
Weight: .0077 lbs (3.49 gm)

**Engineering/ Architect Specification** A UL Listed self-stripping electrical connector for connecting two or three conductors in the range of 22 through 16 AWG solid or stranded copper conductors with a maximum insulation diameter of .160 inches

**Federal Specification** "Commercial package only"  
**W-S610:**

<u>Type</u>	<u>Class</u>	<u>Kind</u>	<u>Style</u>
1	1	cu	G

**Recommended Installation Tools** 3M™ Crimping Tool E-9BM  
8" Mechanics (slip joint) pliers

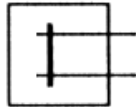
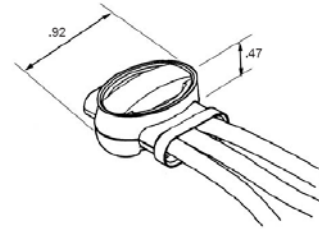
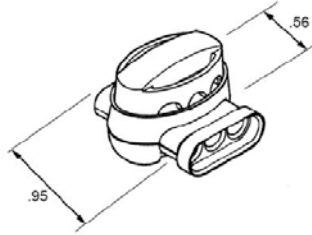
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## Installation Technique

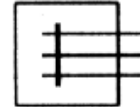
### WARNING

Turn power off before installing or removing terminal. All electrical work should be done according to appropriate electrical codes.

1. Insert 2 or 3 un-stripped conductors completely into connector and check their position by looking through the translucent body.
2. Hold toll perpendicular to the conductors and make the connection by driving the cap down flush with the top edge of the connector body.



Parallel Connection



Tap/Run Connection

**Shelf Life & Storage** 3M™ Scotchlok™ Electrical Spring Connector 316IR has a 5-year shelf life from date of manufacture when stored in a humidity controlled storage (10°C/50°F to 27°C/80°F and <75% relative humidity).

**Availability** Please contact your local distributor; available from [3M.com/electrical](http://3M.com/electrical) [Where to Buy] or call 1.800.245.3573.

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