

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

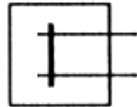
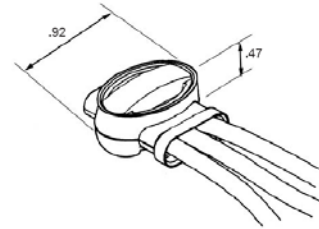
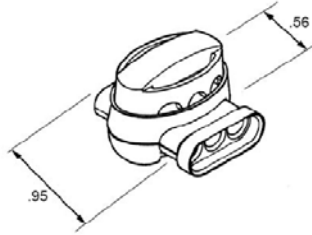
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Installation Technique

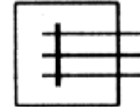
WARNING

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 [Where to Buy] or call 1.800.245.3573.

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Electrical Markets Division
6801 River Place Blvd.
Austin, TX 78726-9000
800.245.3573
FAX: 800.245.0329
www.3M.com/electrical

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