3M™ Scotchlok™
Moisture Resistant Self-Stripping Electrical Spring Connector 316IR

Data Sheet **November 2010**

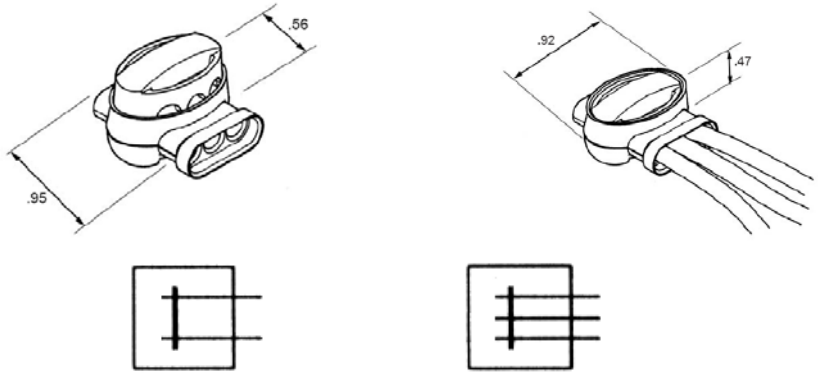
Applications	3M™ Scotchlok™ Electrical Spring Connector 316IR is used to electrically connect two or three wire ends, insulate the connection and provide a moisture-resistant seal without stripping of the wires.
Agency Approvals, Self Certifications, Mil Specs	Meets requirements of: UL Listed, Standard 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 W-S610:	"Commercial package only" Type 1 / Class 1 / Kind cu / Style G
Recommended Installation Tools	3M™ Crimping Tool E-9BM 8" Mechanics (slip joint) pliers

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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