3MTM 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 Class Kind Style 1 1 cu G
Recommended Installation Tools	3M™ Crimping Tool E-9BM 8" Mechanics (slip joint) pliers



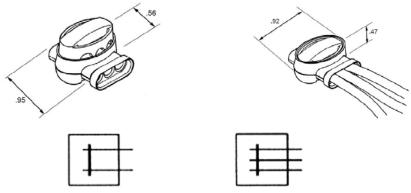
Installation Technique

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WARNING

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

- 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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