



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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"			
	<u>Type</u>	<u>Class</u>	<u>Kind</u>	<u>Style</u>
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Recommended Installation Tools	3M™ Crimping Tool E-9BM 8" Mechanics (slip joint) pliers			

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

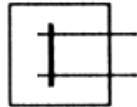
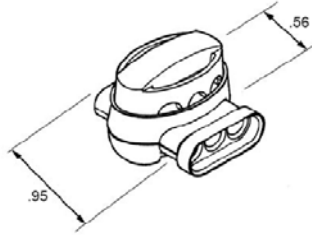
Installation Technique



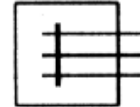
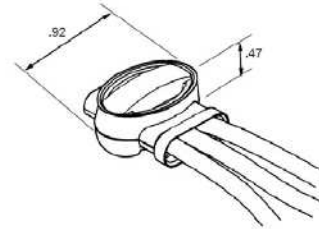
WARNING

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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