

3M Worldwide : United States : Electronics Manufacturing

- Solutions for Electronic Specialty Markets (ESM)
 - Product Catalog for Electronic Specialty Markets
 - 3M™ Electronic
 Specialty Markets New
 Product Releases
 - 3M™ Abrasives
 - 3M™ Adhesives,
 Cleaners & Compounds
 - 3M™ Breadboards & Test Clips
 - 3M™ Cable & Assemblies
 - 3M™ Copper Interconnects
 - 3M™ Fiber Optics
 - 3M™ Fire Protection
 - 3M™ Heat Shrink
 - 3M™ Identification
 Systems
 - 3M™ Occupational Health & Safety Products
 - 3M[™] Protective Bumpers
 - 3M™ Reclosable Fasteners
 - 3M™ Splicing, Terminating & Ducting
 - 3M™ Static Control
 - 3M™ Tapes
 - 3M™ Terminals, Kits & Tools
 - 3M™ Vacuums & Accessories
 - 3M™ Warehousing & Packaging Supplies
 - 3M™ Wire Connectors

Product Catalog for Electronic Specialty Markets ➤ 3M[™] Wire Connectors ➤ 3M[™] Spring Connectors and Tools ➤ 3M[™] Scotchlok[™] Y, R, G and B Electrical Spring Connectors ➤

□ Printer-friendly format 3MTM ScotchlokTM Electrical Spring Connectors R-

BOX

9#18, 4-6#16, 2-5#14, 2-5#12, 1-3#10 AWG, 100 per box, Red



[click to enlarge]

GTIN(UPC/EAN): 0 00 54007 20058 1

3M Id: 80-6011-0025-0

Additional Information

3M™ Scotchlok™ Electrical Spring Connectors Y, R, G and B are the original color-coded wire connectors with a unique soft shell that is easy on the fingers. They are flexible, yet durable, and provide a compact, fully-insulated connection that won`t cut or abrade wires. Their torque fins are engineered to provide a comfortable and secure grip, which makes installation fast and back-off

Full Text . . .

Learn More . . .

Packaging Data

3M™ Scotchlok™ Insulated Electrical Spring Connector Red - Data Sheet (PDF 185.3 K)

Ordering Information for Scotchlok™ R Spring Connectors
- Product Selection Guide (HTML 1.6 K)

Please Note:

Adobe® Acrobat® Reader is required to view PDF documents.



Other Tools

- What's New
- Sales Contacts
- U.S. Distributors

Characteristics

Agency Approvals	UL and CSA
China RoHS - Below MCV	Yes
Color	Red
EU RoHS Compliant	Yes
Maximum Recommended Voltage Rating	600 Volt
Units per Box	100

3M

ScotchlokTM

Insulated Electrical Spring Connector R (Red)

Data Sheet





Application

Use a Scotchlok[™] connector R to electrically connect two or more conductor ends in a pigtail application and insulate the connection, or insulate a single conductor end.

Wire Range

AWG Range: solid or stranded copper conductors only. No. 18 thru No. 10 (1,0 mm² thru 6,0 mm²)

Construction

Spring Spring steel, Corrosion resistant coatingShell Steel, Corrosion resistant coating

Insulator Flame Retardant Flexible Polyvinyl

Chloride Color- red

Weight

.0084 lb. (3.81 gm)

Engineering Specification

Scotchlok Electrical Spring Connector (3M part No. Scotchlok R) capable of connecting two or more wires in a pigtail application, in the wire range of No. 18 thru No. 10 AWG solid or stranded copper conductors. The connector shall be constructed of an active (live) spring and a steel shell covered by a vinyl insulator. The spring shall have a corrosion

resistant coating. The connector shall be UL Listed and CSA Certified as a pressure cable connector. The connector shall be voltage rated 600 volts maximum, building wire, 1000 volts maximum, signs, fixtures and luminaires. The connector shall have a maximum operating temperature of 105°C.

Regulatory Agencies

UL Listed as a Pressure Cable Connector

Tested per UL Standard 486C

UL File No. E23438

Operating Temperature: 105°C (221°F)

Voltage Rating: 600 volts max. building wire;

1000 volts max. signs and fixtures Flammability Rating: UL94 V-2

CSA Certified-CSA Standard C22.2 No. 0,

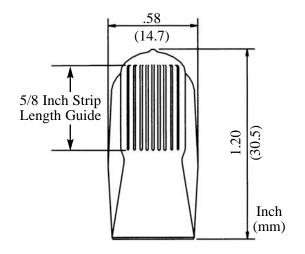
188-M1983

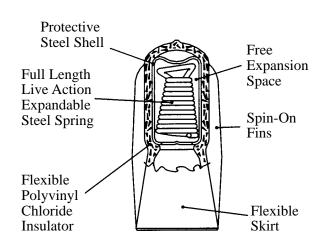
CSA File No. LR15503

Operating Temperature: 105°C (221°F) Voltage Rating: 600 volts max. building wire 1000 volts max. signs and luminaires. Flammability Rating: C22.2 No. 0.6 V-2

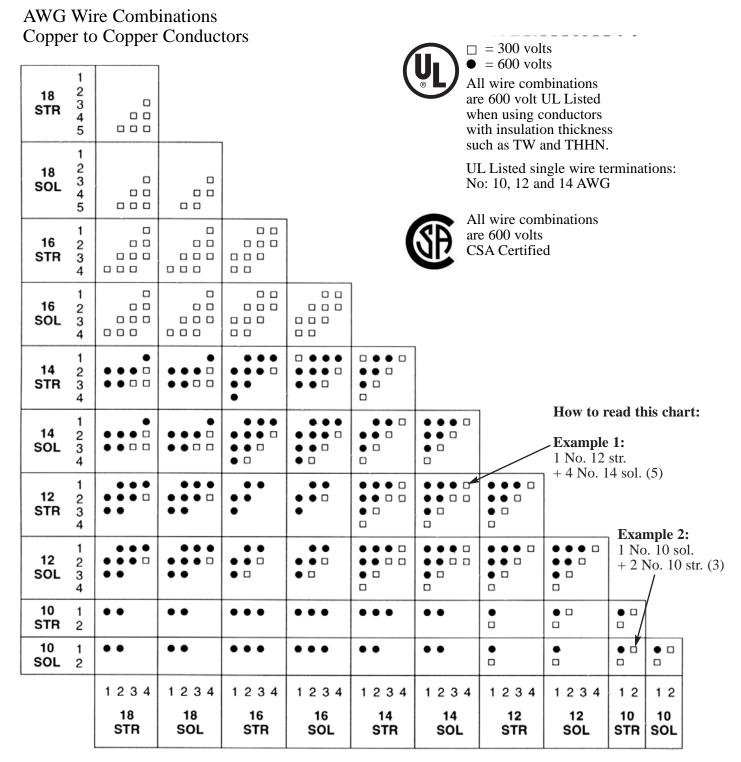
Federal Specification W-S-610:

	"Commercial	package only"	
Type	Class	Kind	Style
1	1	cu	G





Scotchlok[™] Insulated Electrical Spring Connector R



Installation Instructions

AWARNING

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

- 1. Strip wire insulation 5/8 inch (15,9 mm) from the end of the wires to be connected.
- 2. Firmly grasp wires, making sure insulation ends are even and tightly bundled. (wires may be twisted or untwisted). Slip connector over wire tips.
- 3. Turn connector onto wires in a clockwise direction until secure.
- 4. To remove, turn connector counter-clockwise.

Metric Wire Combinations

Copper Conductors Only

Cross Section Capacity		
Minimum	Maximum	
5,0mm²	16,0mm²	

Conductor Combinations				
Quantity	Size	Туре		
5-6	1,0mm²	sol/str		
4-6	1,5mm²	sol/str		
2-5	2,5mm²	sol/str		
2-4	4,0mm²	sol/str		
2	6,0mm²	sol/str		

Only AWG combinations are UL Listed or CSA Certified.