# **3M**

# Scotchlok<sup>TM</sup>

## Insulated Electrical Spring Connector R (Red)

## **Data Sheet**





#### **Application**

Use a Scotchlok<sup>™</sup> 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,

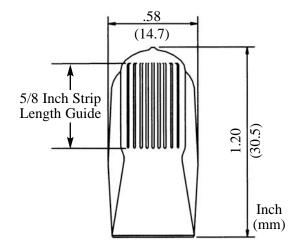
188-M1983

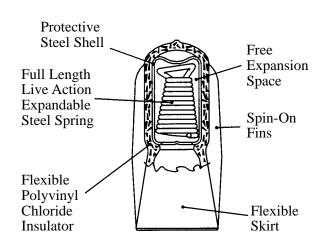
CSA File No. LR15503

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

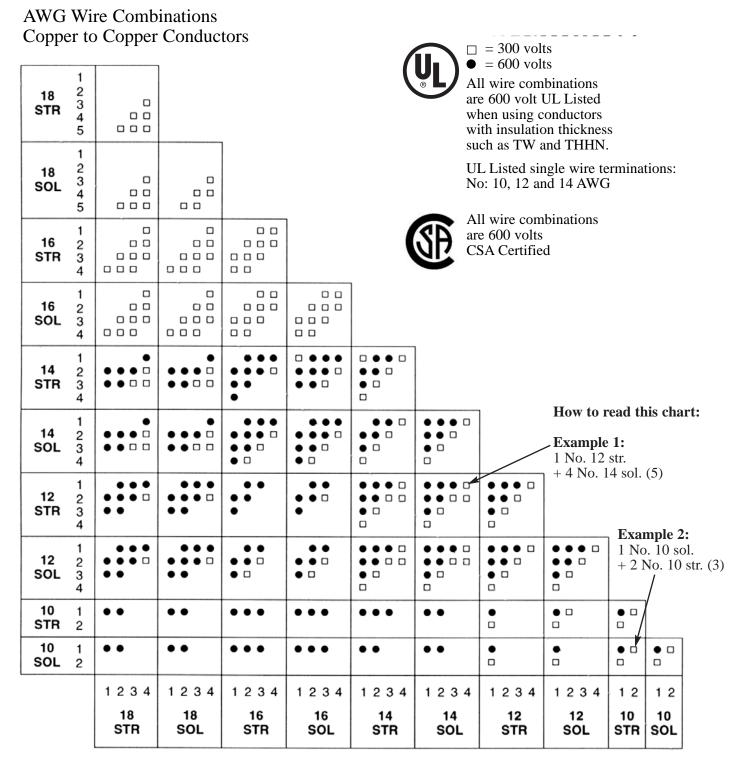
#### Federal Specification W-S-610:

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





# Scotchlok<sup>™</sup> 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.

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#### **IMPORTANT NOTICE**

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

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