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 [Printer-friendly format](#) **3M™ Scotchlok™ Electrical IDC 558-BOX, Run and Tap, Flame Retardant**

22 to 16 (0,5-1,5) AWG, Red, 100 per box, 1000 per case



[\[click to enlarge\]](#)

GTIN(UPC/EAN) : 0 00 54007 14861 6  
 3M Id : 80-0140-0080-8

### Additional Information

Electrically connects a (tap) wire end to a through (run) wire and insulates the connection. Designed for control circuit wiring, fixture wiring, appliance wiring, signal and PA systems, automotive/boat/RV wiring. is Flame Retardant. Maximum insulation O.D.diameter of 0.120 inches (3,05 mm) and a operating temperature of 221°F (105°C). The suggested application tool for this connector is

[Full Text . . .](#)

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[Packaging Data](#)  
[558orderinginfo.pdf - Product Selection Guide \(PDF 9.0 K\)](#)

[Ordering Information for Scotchlok™ 558 Insulation Displaceme - Product Selection Guide \(HTML 1.5 K\)](#)

[Scotchlok 558 Connector - Data Sheet \(PDF 62.1 K\)](#)

[Tap Schematic Connection Type - Illustration/Line Art \(TIFF 15.4 K\)](#)

**Please Note:**  
 Adobe® Acrobat® Reader is required to view PDF documents.



### Characteristics

<b>Agency Approvals</b>	UL and CSA
<b>Boxes per Case</b>	10
<b>China RoHS - Below MCV</b>	Yes
<b>Color</b>	Red
<b>EU RoHS Compliant</b>	Yes
<b>Maximum Recommended Voltage Rating</b>	600 Volt
<b>Units per Box</b>	100

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# Scotchlok™ 558

## Self-Stripping Electrical Tap Connectors



### Data Sheet

#### Application

Use Part No. 558 to electrically connect a (tap) wire end to a through (run) wire and insulate the connection.

#### Wire Range

22-16 AWG Solid or stranded, tinned or untinned (.5-1.5 mm<sup>2</sup> str.) copper conductors. For use with common thermoplastic insulated wires such as: T, TF, TFF, TFN, TFFN, AWM, TEW, SAE-GPT with a maximum insulation diameter of .120 inches (3,0 mm). Maximum recommended current for general purpose applications: 22 AWG - 3 AMPS, 20 AWG - 4 AMPS, 18 AWG - 7 AMPS, 16 AWG - 10 AMPS.

#### Construction

U-contact - Tin plated brass, .02 in. (.5 mm) thick  
Insulator - Flame retardant polypropylene,  
Color - red

#### Weight

.0033 lb. (1.50 gm)

#### Recommended Installation Tools

3M™ Crimping Tool No. E-9BM  
9" Linemans Pliers

#### Installation Instructions

##### ⚠ WARNING

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

1. Place unstripped run wire inside run channel.
2. Close side cover until latched. Insert unstripped tap wire completely and check it's position in the inspection port.
3. Hold tool perpendicular to the wires and make the connection by driving the u-contact down flush with the top of the plastic insulator.
4. Close hinged top cover until latched.

#### Regulatory Agencies

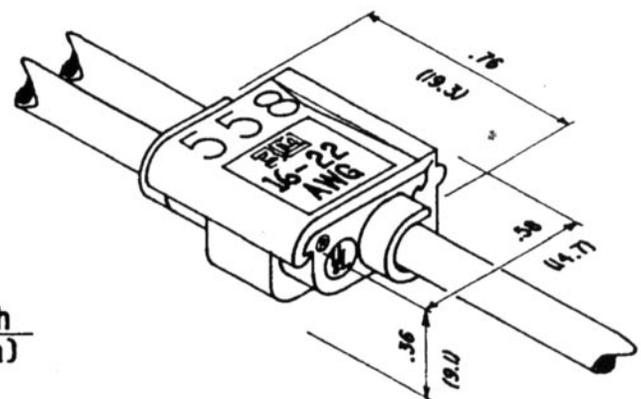
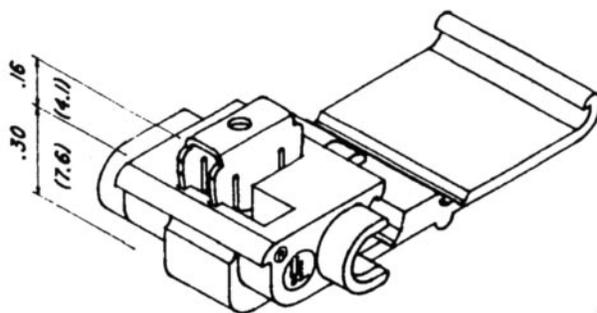
UL Listed - Tested per UL Standard 486C

UL file No. E23438

CSA certified - CSA Std. C22.2 No. 0. 188-MI983

CSA File No. LR15503, LR32411

(Voltage rated at 600 volts maximum, building wire:  
1000 volts maximum, signs, fixtures and luminaires.  
Operating Temperature: 105°C.)



inch  
(mm)

## Engineering Specification

Self-Stripping Electrical Connector (as manufactured by 3M, part No. 558) capable of connecting a tap wire to a run wire, in the range of No. 22 thru No. 14 AWG solid or stranded copper. Connector shall be UL Listed and CSA Certified for 600 volts maximum, building wire: 1000 volts maximum, signs, fixtures and luminaires, and temperature rated 105°C maximum.

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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.

**Warranty; Limited Remedy; Limited Liability.** This product will be free from defects in material and manufacture as of the date of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.**

# 3M

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