

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 mm² 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

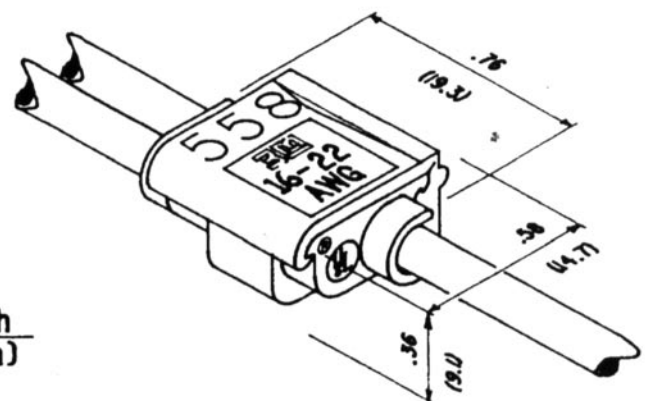
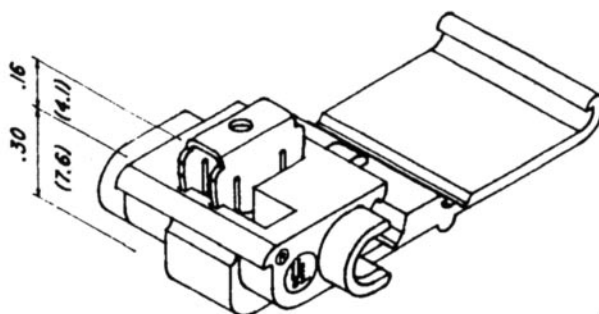
UL Listed - Tested per UL Standard 486C

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.)


$$\frac{\text{inch}}{(\text{mm})}$$

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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