3M

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

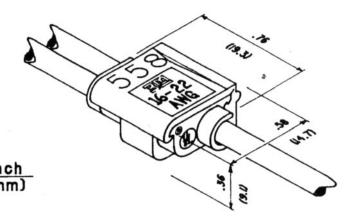
MARNING

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.)



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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Electrical Products Division

6801 River Place Blvd. Austin, TX 78726-9000 www.3M.com/elpd

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