Scotchlok™

Insulation Displacement Electrical Tap Connector 560

UL LISTED WIRE CONNECTOR 540H

Data Sheet

Application

Use 3M™ Scotchlok™ Tap Connector 560 to electrically connect a (tap) wire end to a through (run) wire, join parallel run wires, and insulate the connection.

Wire Range

18 -16 AWG (0,75-1,0 mm^2) solid or stranded, 14 AWG (1,5 mm^2) stranded, tinned or untinned copper conductors. For use with thermoplastic insulated wires such as: T, TW, TFF, TFN, TFFN, AWN, TEW, SAE-GPT, with a maximum insulation diameter of .145 inches (3,5 mm).

Maximum recommended current for general purpose applications: 18 AWG - 7 Amps, 16 AWG - 10 Amps, 14 AWG - 15 Amps

Construction

U-Contact - Tin plated brass, .03 in. thick (0,8 mm)

Insulator - Polypropylene
Color - Light blue
UL 94-V-2

Weight

.0032 lb. (1,45 gm)

Recommended Installation Tools

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

Engineering Specification

Insulation Displacement Connector (as manufactured by 3M, part No. 560) capable of connecting a tap wire to a run wire in the range of 18-16 AWG (0,75-1,0 mm^2) solid or stranded, and 14 AWG (1,5 mm^2) stranded, tinned or untinned copper conductors. The connector shall be UL Listed and CSA Certified for 600 Volts maximum building wire: 1000 Volts maximum, signs fixtures and luminaires, and have a maximum insulating temperature of 105˚C (221˚F).

Regulatory Agencies

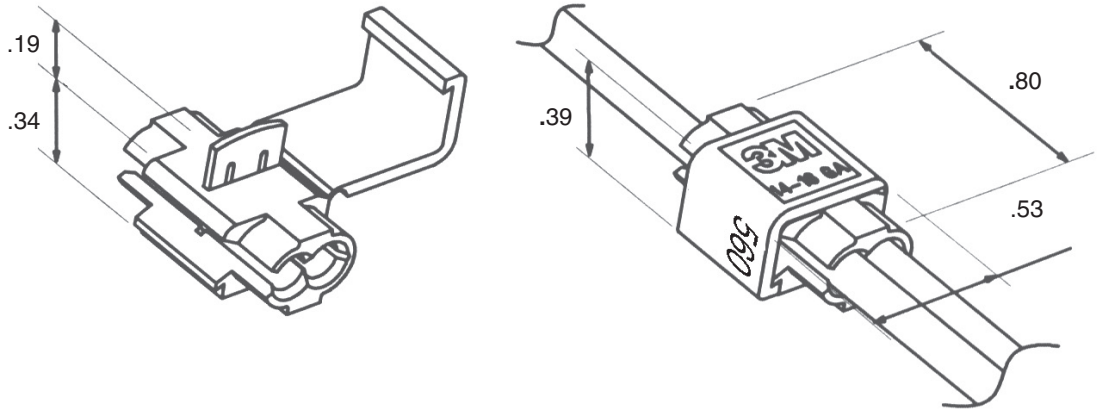
UL Listed as a Pressure Cable Connector
Tested per UL Standard 486C
UL File No. E23438
Operating Temperature: 105˚C (221˚F)
Voltage Rating: 600 volts max. building wire;
1000 volts max. signs and fixtures

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

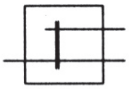


Installation Instructions

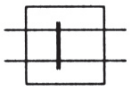
⚠WARNING

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. Insert unstripped tap wire completely.
3. Hold tool perpendicular to the wire and make the connection by crimping the u-contact down flush with the top of the plastic insulator.
4. Close top hinged cover until latched.



Tap / Run Connection



Parallel Connection

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