

3MTM ScotchlokTM

Self-Stripping Electrical Tap Connector 558

Data Sheet

November 2010

Applications	3M™ Scotchlok™ Self-stripping Electrical Tap Connector 558 is used to electrically connect a (tap) wire end to a through (run) wire and insulate the connection.										
Agency Approvals, Self Certifications, Mil Specs	Meets requirements of:										
	UL Listed, Standard 486C, UL File E23438										
	CSA Certified, CSA Standard C22.2, No. 0.188-MI983, CSA File No. LR15503, LR32411										
Wire Range	22-16 AWG solid or stranded, tinned or untinned (.5-1.5 mm ² 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" (3,0 mm). Maximum recommended current for general purpose:										
	<table><tr><td>22 AWG</td><td>3 AMPS</td></tr><tr><td>20 AWG</td><td>4 AMPS</td></tr><tr><td>18 AWG</td><td>7 AMPS</td></tr><tr><td>16 AWG</td><td>10 AMPS</td></tr></table>			22 AWG	3 AMPS	20 AWG	4 AMPS	18 AWG	7 AMPS	16 AWG	10 AMPS
22 AWG	3 AMPS										
20 AWG	4 AMPS										
18 AWG	7 AMPS										
16 AWG	10 AMPS										
Construction	U-Contact:	Tin-plated brass, .02 in. (0,5 mm) thick									
	Insulator:	Flame-retardant polypropylene									
	Color:	Red									
Specifications	Voltage Rating:	600 volts maximum, building wire 1000 volts signs, fixtures and luminaires									
	Temperature Rating:	105°C (221°F)									
	Weight:	.0033 lbs (1,50 gm)									
Engineering/ Architect Specification	The Tap Connector 558 is capable of connecting a tap wire to a run wire, in the range of No. 22 thru No. 16 AWG solid or stranded copper. The connector shall be UL Listed and CSA Certified for 600 volts maximum, building wire: 1000 volts maximum for signs, fixtures and luminaires with a temperature rating of 105°C (105°F) maximum.										
Recommended Installation Tools	3M™ Crimping Tool E-9BM 9" Lineman's Pliers										

3M™ Scotchlok™ Self-Stripping Electrical Tap Connector 558

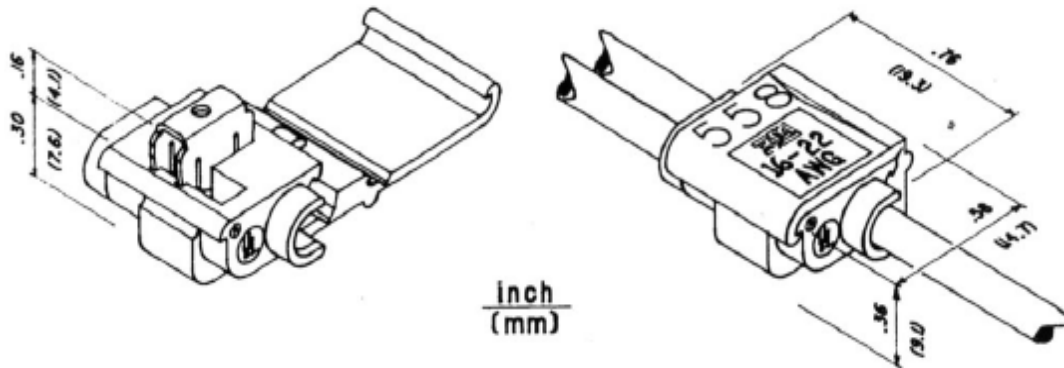
Installation Technique



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 its 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.



Shelf Life & Storage	3M™ Scotchlok™ Electrical Tap Connector 558 has a 5-year shelf life from date of manufacture when stored in a humidity controlled storage (10°C/50°F to 27°C/80°F and <75% relative humidity).
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Availability	Please contact your local distributor; available from 3M.com/electrical [Where to Buy] or call 1.800.245.3573.
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Electrical Markets Division
6801 River Place Blvd.
Austin, TX 78726-9000
800.245.3573
FAX: 800.245.0329
www.3M.com/electrical

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