3M™ Scotchlok™

Moisture Resistant Self-Stripping Electrical Tap Connector 804

Data Sheet

UL LISTED
WIRE CONNECTOR
540H

Application

Use 3M™ Scotchlok™ Tap Connector 804 to electrically connect a (tap) wire end to a through (run) wire, insulate and provide a moisture resistant seal for the connection.

Wire Range

18-16 AWG (0,75-1,0 mm^2) solid and stranded, 14 AWG (1,5 mm^2) stranded tinned or untinned copper insulated conductors. For use with common thermoplastic insulated wires 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. (8mm) thick
Insulator- Polypropylene
Color - Blue
UL 94-V-2
Sealant - Mineral Oil Base Dielectric Grease

Weight

.0042 lb. (1,90 gm)

Recommended Installation Tools

9" Lineman's Pliers
8" Mechanics (slip joint) pliers

Engineering Specification 3M™ Scotchlok™

Self-Stripping Electrical Tap Connector (as manufactured by 3M, part No. 804) capable of connecting a tap wire to a run wire and providing a moisture seal, in the wire range of 18-16 AWG (0,751,0 mm^2) solid or stranded, and 14 AWG (1,5 mm^2) stranded, tinned or untinned copper insulated wire, with a maximum insulation diameter, of .145 inches (3,5 mm). The connector shall be rated 600 volts and have an insulation temperature rating of 90˚C (194˚F).

Regulatory Agencies

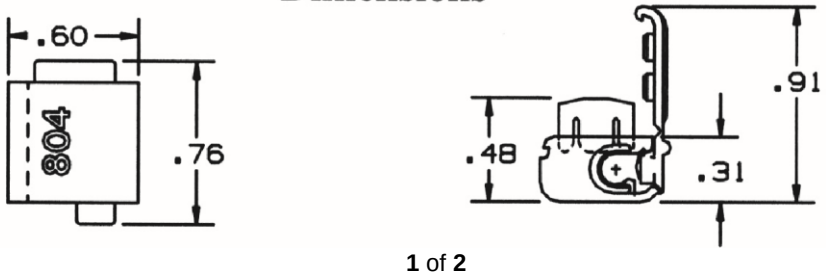
UL Listed as a Pressure Cable Connector
Tested per UL Standard 486C
UL File No. E23438
Operating Temperature: 90˚C (194˚F)
Voltage Rating: 600 volts max. building wire; 1000 volts max. signs and fixtures

Federal Specification W-S-610:

"Commercial package only"

Type	Class	Kind	Style
1	1	cu	G

Dimensions

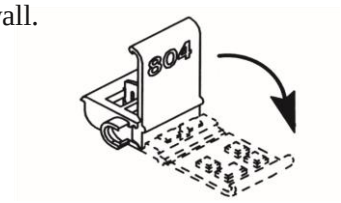


Installation Instructions

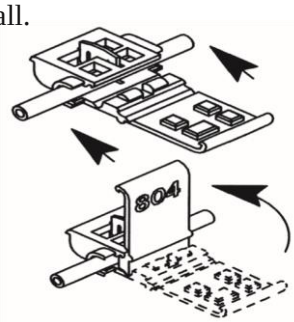
⚠ WARNING

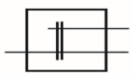
Working around energized systems may cause serious injury or death. Installation should be performed by personnel familiar with good safety practice in handling electrical equipment. De-energize and ground all electrical systems before installing product.

1. Open hinged side wall.



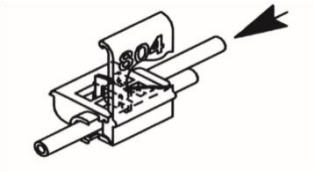
2. Place unstripped run wire inside run channel and close hinged side wall.



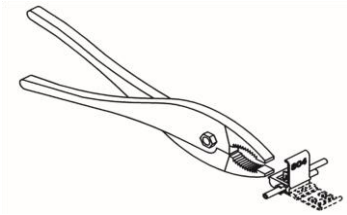


Tap Connector

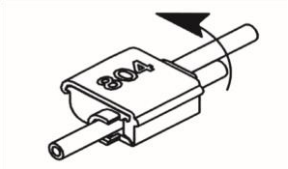
3. Insert unstripped tap wire completely into tap port.



4. Hold tool perpendicular to the wire and make the connection by crimping the u-contact down flush with the top of the insulator



5. Close the cover until latched.



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Electrical Markets Division
Austin, TX
Phone: 800.245.3573
www.3M.com/electrical

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