3M

Scotchlok[™] 564 Self-Stripping Electrical Connectors

Data Sheet

Application

Use Part No. 564 to electrically connect two wires in a tap, inline, pigtail, or double run installation and insulate the connection.

Wire Range

18-14 AWG (.75-1.5 mm²) solid or stranded 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 .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. (.8 mm) thick

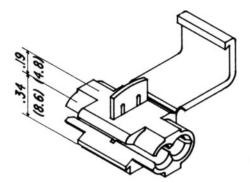
Insulator - Polypropylene Color - white

Weight

.0032 lb. (1.45 gm)

Recommended Installation Tools

9" Linemans Pliers Mechanics (slip joint) Pliers 3M™ Crimping Tool No. E-9BM



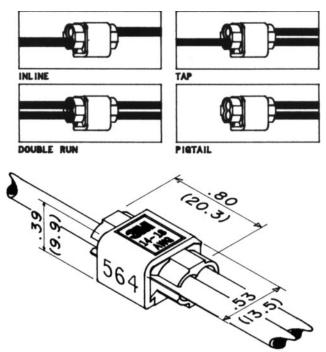
(mm)

Installation Instructions

Turn power off before installing or removing terminal. All electrical work should be done according to appropriate electrical codes.

- 1. Place unstripped wires inside appropriate channels.
- 2. On tap, inline, and pigtail applications ends of wires should always be placed midway between connector element and end of connector for proper installation.s
- 3. Hold tool perpendicular to the wires and make the connection by driving the cap down flush with the top edge of the connector body.
- 4. Close the hinged top cover until latched.

Typical Installations



Engineering Specification

Self-Stripping Electrical Connector (as manufactured by 3M, part No. 564) capable of connecting 2 solid or stranded copper wires in the range of No. 18 thru No. 14 AWG in a tap, inline, double run, or pigtail application. Connector shall be voltage rated 32 volts maximum, and temperature rated 90°C maximum.

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