

# 3M™ Secure Grip Wire Connector SG-T

Data Sheet

March 2019

**Applications** 3M™ Secure Grip Wire Connector SG-T will electrically connect and insulate copper conductors in a pigtail application. The connector has a live spring for strong reliable connections.

AWG Range: Copper conductors only, No. 22AWG through 8AWG solid and/or stranded.  
(See wire matrix for specific combinations)

Metric Range: Copper conductors only, .5mm<sup>2</sup> thru 6mm<sup>2</sup> (solid or stranded). Only AWG sizes are UL Listed.

- Agency Approvals & Self Certifications**
- UL Listed as a Wire Connector
  - Tested per UL Standard 486C, UL File No. E23438
  - For RoHS and REACH information, please visit [www.3M.com/regs](http://www.3M.com/regs)

**Specifications** 3M™ Secure Grip Wire Connector SG-T is capable of a 2 or more conductor connection in a pigtail application. The connector shall be UL Listed and be rated 600 volts maximum for building wire and 1000 volts maximum for lighting fixtures. The connector shall have a maximum operating temperature of 105°C (221°F).

**Construction:**

Spring: Spring steel, corrosion-resistant coating  
Insulator: Tan Polypropylene  
Weight: 0.005 lbs. (2,2 grams)

**Performance Test** The following tests were conducted to the specifications of UL Standard 486C

Static Heating	Pass
Secureness	Pass
Pullout	Pass
Dielectric Voltage Withstand	Pass
Secureness of Insulation	Pass
Flammability	V2 Min.



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**Shelf Life & Storage** The 3M™ Secure Grip Wire Connector SG-T 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** From your local distributor; or from 3M.com/electrical [Where to Buy] or call 1.800.245.3573.

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