

3M™ Secure Grip Grounding Connector SG-G

Data Sheet

March 2019

Applications 3M™ Secure Grip Wire Grounding Connector SG-G is an electrical spring connector used for making ground connections and bonding non-metallic sheathed cable. The connector has a live spring for strong reliable connections.

AWG Range: Solid copper conductors only, No. 14AWG through 10AWG.
(See wire matrix for specific combinations)

Metric Range: Solid copper conductors only, 2.5mm² thru 4mm². Only AWG sizes are UL Listed.

Agency Approvals & Self Certifications

- UL Listed as a Grounding Connector
- Tested per UL Standard 467, UL File No. E23438
- For RoHS and REACH information, please visit www.3M.com/regs

Specifications


3M™ Secure Grip Wire Connector SG-G is designed for grounding applications and capable of a 2 or more conductor connection in a pigtail - feed thru format. The connector shall be UL Listed for grounding and bonding applications.

Construction:

Spring: Spring steel, corrosion-resistant coating
Insulator: Flame Retardant Green Polypropylene
Weight: 0.007 lbs. (3,2 grams)

3M™ Secure Grip Wire Connector SG-G

Installation Instructions:

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

1. Strip wire insulation 5/8 inch. Through wire must be fully stripped.
2. Place through wire in connector first.
3. Insert other wires into connector. Wires may be twisted or untwisted.
4. Turn connector on in a clockwise direction until secure.
5. To remove, turn connector counter-clockwise.

Combination Chart:

14 AWG Solid	1	• • •									
	2	• • •									
	3	• •									
	4	•									
12 AWG Solid	1	• • • •	• • • •	• • • •							
	2	• • •	• • •	• • •							
	3	• • •	• •	• •							
	4		•								
10 AWG Solid	1	• • •	• • • •	• • •	• •						
	2	• •	•	•	•						
	3	•									
SG-G		1 2 3 4 5	1 2 3 4	1 2							
		14 AWG Solid	12 AWG Solid	10 AWG Solid							

Read across then down.
2#10 w/1#12

3M™ Secure Grip Wire Connector SG-G

Shelf Life & Storage The 3M™ Secure Grip Wire Connector SG-G 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).

Availability From your local distributor; or from 3M.com/electrical [Where to Buy] or call 1.800.245.3573.

3M is a trademark of 3M Company.

Important Notice All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product, which are not contained in 3M's current publications, or any contrary statements contained on your purchase order, shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability This product will be free from defects in material and manufacture at the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any direct, indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**



Electrical Markets Division

Austin, TX
800 245.3573
FAX: 800 245.0329
www.3M.com/electrical

Please recycle
© 3M 2019. All rights reserved.
78-9237-1596-1 Rev A