

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

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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.

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