

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).
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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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