3M[™] Secure Grip Wire Connector SG-Y

Data Sheet			March 2019	
Applications	3M™ Secure Grip Wire Connector SG-Y 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. 18AWG through 10AWG solid and/or stranded. (See wire matrix for specific combinations)			
	Metric Range: Copper conductors only, 1.0mm ² thru 4.0mm ² (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 <u>www.3M.com/regs</u> 			
Specifications	pigtail application. The connect	tor shall be UL Li aximum for lightir	able of a 2 or more conductor connection in a sted and be rated 600 volts maximum for ng fixtures. The connector shall have a F).	
	Construction:			
	Spring:Spring steel, corrosion-resistant coatingInsulator:Yellow PolypropyleneWeight:0.004 lbs. (1,9 grams)			
Performance Test	The following tests were condu	cted to the spec	ifications of UL Standard 486C	
	Static Heating	Pass]	
	Secureness	Pass	1	
	Pullout	Pass]	
	Dielectric Voltage Withstand	Pass]	
	Secureness of Insulation	Pass		
	Flammability	V2 Min.		

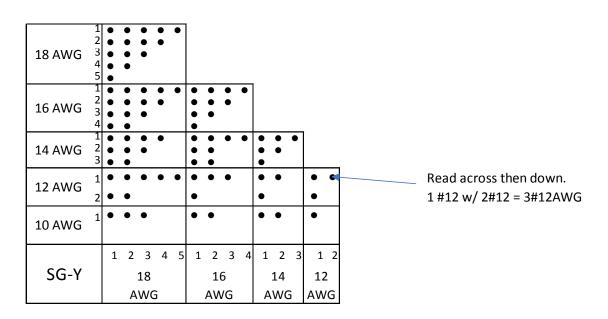
Installation Instructions:

▲ Caution

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

- 1. 18-16 AWG Strip wire insulation 5/8 inch. 14-10 AWG Strip wire insulation ½ inch.
- 2. Firmly grasp wires and ensure conductor ends are even. Conductors may be twisted or untwisted.
- 3. Place connector over the stripped conductor tips.
- 4. Turn connector on in a clockwise direction until secure.
- 5. To remove, turn connector counter-clockwise.

Combination Chart:



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

ЗМ

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

Please recycle © 3M 2019. All rights reserved. 78-9237-1592-0 Rev A

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

3M:

<u>7010530144</u> <u>7100180514</u> <u>7100180515</u> <u>7100180516</u> <u>7100180526</u> <u>7100180655</u>