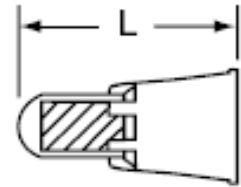




Scotchlok™ Closed End Connector, Nylon Insulated, Copper Insert, S31-A



Data Sheet

March 2008

Product Number	Maximum Voltage Rating	L	Maximum Temperature Range
S31-A	600V	1.00	221°F (105°C)

Specifications

Wire Size:	18-10 AWG Copper wire only
Maximum Voltage Rating:	600V Building Wire 1000V Signs, Fixtures (Luminaires)
Maximum Operating Temp:	221°F (105°C)
Maximum Current:	Same as Wire
Insulator Material	Nylon
Sleeve Material:	Copper

SOLID / STRANDED AWG WIRE COMBINATIONS:

Copper Wire Only. "CU ONLY"

Wire Combinations	
1 #22 w/ 1 #12 or #10	1 #20 w/ 1 #16 w/1 #12
1 #22 w/ 2 #14 or #16	1 #18 w/ 1 #14
1 #22 w/ 1 #20 w/1 #12 or #14	1 #18 w / 1 #12
1 #22 w/ 1 #18 w/1 #12 or #14	1 #18 w/ 2 #16
1 #22 w/ 1 #16 w/1 #12 or #14	1 #18 w/ 1 #16 w/1 #12 or #14
1 #22 w/ 1 #14 w/1 #12	1 #16 w/ 1 #12 or #14
1 or 2 #20 w / 1 or 2 #14	3 #16
1 or 2 #20 w/ 1 #12	1 #14 w/ 1 #12
1 #20 w/ 1 #10	2 #14

Installation Information

WARNING

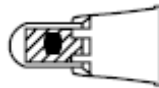
Turn power off before installing or removing terminal. All electrical work should be done according to appropriate electrical codes.


For use on solid or stranded copper (AWG) wire only.

Instructions:

1. Strip all wires ½ inch.
2. Pre-twist wires before crimping.
3. Insert wires into connector.
4. Insert into proper tool station and crimp.

3M™ Scotchlok™ Crimp Station Tools: TH-440, 12-10 Insul.; TH-450, 12-10 Insul.



 Barrel Crimp (Required)

Pre-twist wires before crimping.

Engineering Specification

3M crimp-type connectors shall, electrically and mechanically, connect permanently to the pre-stripped ends of two or more copper wires.

The 3M™ Copper Insert Closed End Crimp-Type Connector shall be a copper sleeve covered by a molded nylon, skirted insulator of natural color.

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