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Scotchlok™ Shield Bond Connectors

4462

4462-FN

4462-SN

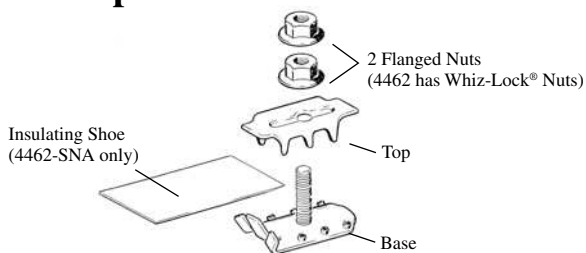
4462-SNA

May 2008
78-8135-4337-4-B

1.0 General

The 3M™ Scotchlok™ Shield Bond Connectors 4462, 4462-FN, 4462-SN and 4462-SNA are designed to make a stable and low resistance electrical connection between the shield of a communications cable and a conductor such as a strap, bar, wire or braid. The 4462 connector includes standard Whiz-Lock® nuts. The 4462-FN connector includes flanged nuts. The 4462-SN connector has a longer stud and the nuts have been deepened. The 4462-SNA connector has the longer stud, deepened nuts and an insulating shoe.

2.0 Components



Note: Visually inspect all components. If any component is missing or appears damaged, do not install and call 3M customer service at 1-800-426-8688 for a replacement product.

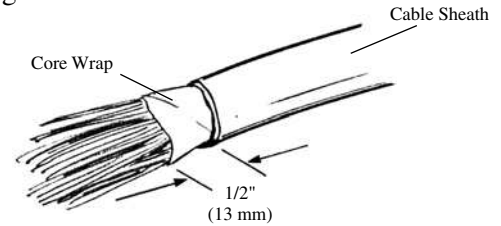
3.0 Tools Required

3/8" Terminal Wrench
Tabbing shears or sheath knife

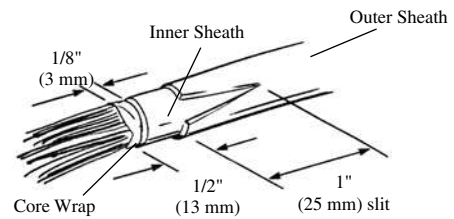
4.0 Cable Preparation

Note: For both single and double sheath cables, cut shield flush with sheath.

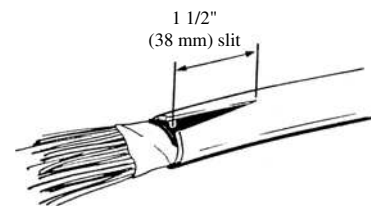
4.01 Single Sheath Cable



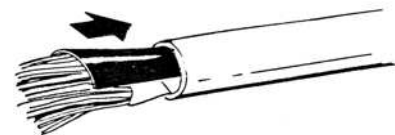
4.02 Double Sheath Cable



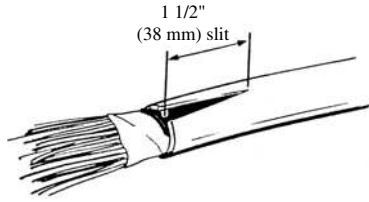
Note: On cables less than 3/4" (19 mm) in diameter, cut a 1 1/2" (38 mm) slit in the sheath opposite connector location. Then complete procedure.



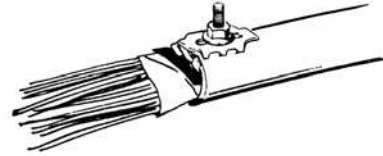
4.03 When using the 4462-SNA connector on single sheath cable, insert the insulating shoe between the core wrap and shield.



- 4.04 Make a 1" (25 mm) slit in the outer sheath and shield. Lift corners for base insertion.

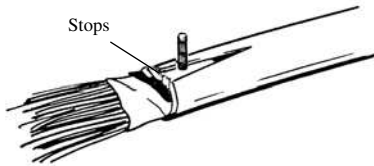


- 5.03 Place connector top over stud and tighten firmly with securing nut. Torque nut to 40-50 in-lbs (5.2±0.6 kgm) with company approved tool.



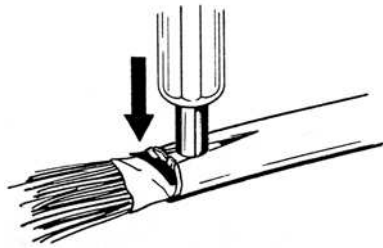
5.0 Installation

- 5.01 Insert connector base between shield and insulating shoe or core wrap; inner sheath for double sheath cable, until stops meet outer sheath.

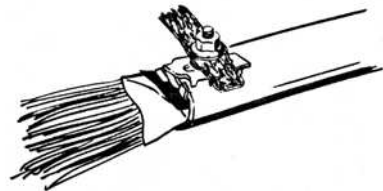


- Note:* Tail of base must contact connector top.
Note: Use a company approved tool to achieve the torque requirements specified.

- 5.02 Place terminal wrench over stud and push down to bend corners and pull slit together.



- 5.04 Place bond conductor (strap, bar, wire, or braid) over stud and secure in place with nut supplied. Torque nut to 40-50 in-lbs (5.2±0.6 kgm) with company approved tool.



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