CORNING

Shield Bond Connectors 4462, 4462-FN, 4462-SN, and 4462-SNA

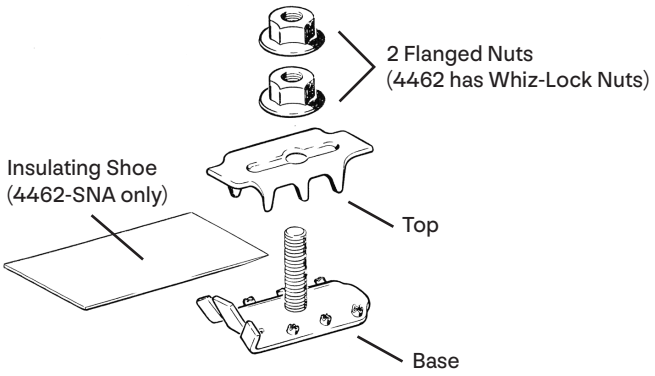
P/N 78-8135-4337-4
Issue 4

related literature | Search corning.com/opcomm. Click on "Resources/Standard Recommended Procedures."

1.0 GENERAL

The 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 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 Corning Customer Care at 800-743-2675 for a replacement product.

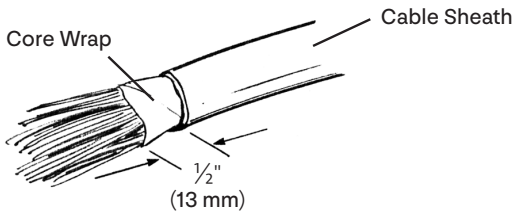
3.0 TOOLS REQUIRED

⅜" Terminal Wrench
Tabbing shears or sheath knife

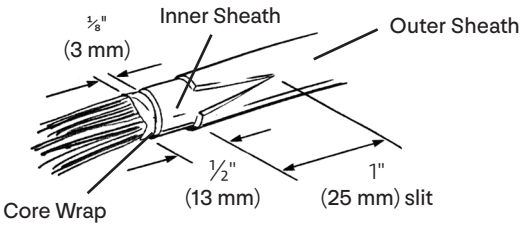
4.0 CABLE PREPARATION

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

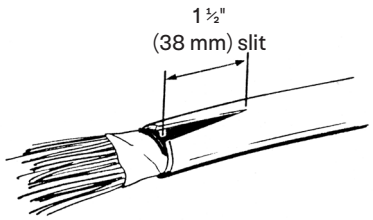
4.01 Single Sheath Cable



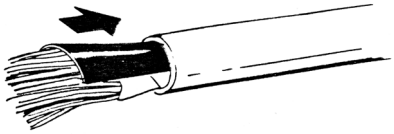
4.02 Double Sheath Cable



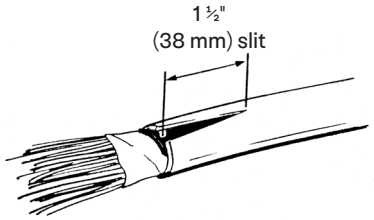
Note: On cables less than ¾" (19 mm) in diameter, cut a 1 ½" (38 mm) slit in the sheath opposite connector location. Then complete procedure.



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

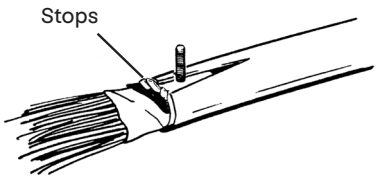


4.04 Make a 1" (25 mm) slit in the outer sheath and shield. Lift corners for base insertion.

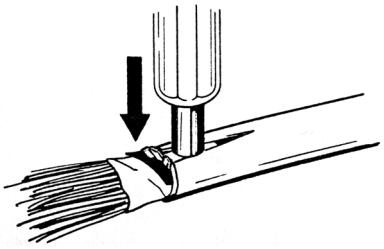


5.0 INSTALLATION

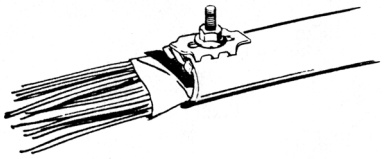
5.01 Insert connector base between shield and insulating shoe or core wrap; inner sheath for double sheath cable, until stops meet outer sheath.



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



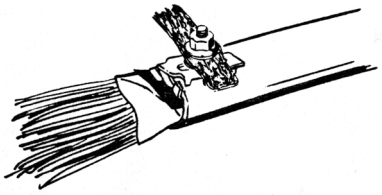
5.03 Place connector top over stud and tighten firmly with securing nut. Torque nut to 40-50 in-lbs (5.2±0.6 kgm) with company approved tool.



Note: Tail of base must contact connector top.

Note: Use a company approved tool to achieve the torque requirements specified.

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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