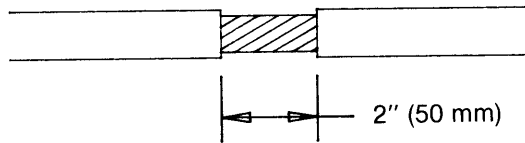


A. Prepare Cable

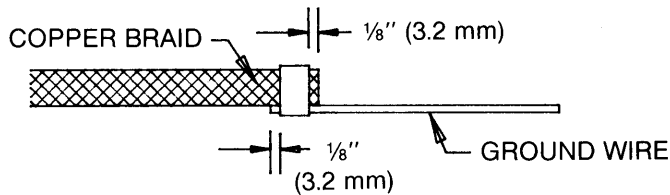
1. Remove 2 inches (50 mm) of cable jacket to expose neutral wires where ground connection is to be attached. (Fig. 1)



(Fig. 1)

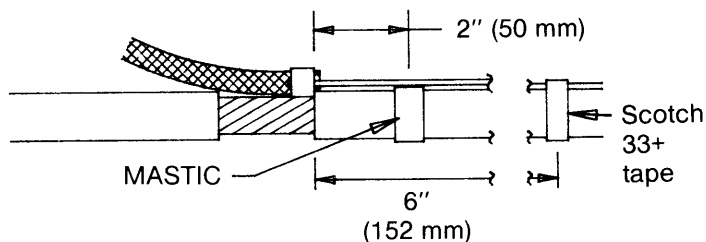
B. Make Grounding Connection

1. Crimp copper braid to ground wire (ground wire not in kit: size to be determined by customer - suggested size, #6 AWG or #4 AWG, solid copper) with "C" connector (in kit). NOTE: WHEN USING #6 AWG, SOLID COPPER WIRE, LOOP IT BACK ON ITSELF THROUGH THE "C" CONNECTOR. Use BG, Kearney 5/8" or equivalent die. (Fig. 2)



(Fig. 2)

2. At a point 2 inches (50 mm) to one side of the jacket opening, place one wrap of mastic (in kit). (Fig. 3)
3. Place ground connector on exposed concentric wires at opening edge with braid extending towards opening. Hold ground wire in place, and tightly wrap with 5 layers of tape at a point 6 inches from the opening (Fig. 3) to secure the ground wire to the cable. NOTE: ADDITIONAL TAPING MAY BE REQUIRED.



(Fig. 3)

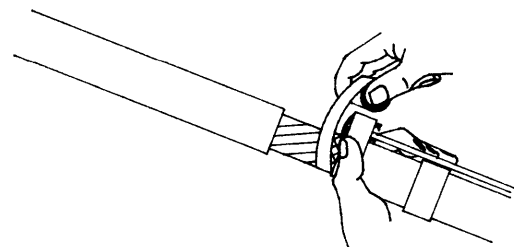
Note: Illustrations are of jacketed concentric neutral cable. Procedure is the same for other shielded cables.

4. Tape "C" connector to concentric wires with Scotch Brand 33+ Vinyl Plastic Electrical Tape (in kit).

5. Wrap copper braid around concentric wires, rewinding around itself. Pull (to unwrap) the constant force spring (in kit) around the copper braid and rewrap around itself. (Fig. 4)

Note: Be certain the copper braid and constant force spring are wrapped in the same direction and that the spring is centered within the edges of the braid. The braid edge should be butted against the "C" connector.

Cinch (tighten) the applied spring after the final wrap.

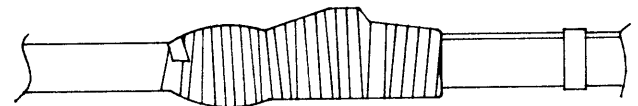


(Fig. 4)

6. Wrap 1 layer of 33+ tape over coil and copper braid, to insure that no frayed edges are exposed.

C. Sealing The Assembly

1. Press the ground wire into the mastic. At mastic wrap, use the remaining mastic to build a seal around the ground wire.
2. Seal assembly by wrapping 2 half lapped layers of rubber mastic tape, 2 inches (50 mm) min. on either side of the jack opening. (Stretch the tape approx. 25%). Be sure the tape extends beyond the mastic seal. NOTE: TO APPLY THE RUBBER MASTIC TAPE, START AT THE "C" CONNECTOR AND WRAP WITH THE MASTIC SIDE DOWN.
3. Wrap 1 half lapped layer of 33+ tape over rubber mastic.



COMPLETED GROUND CONNECTION

34-7019-4234-3

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable; however, since the conditions of use and application are beyond our control, 3M shall not be liable for any damage, direct or consequential, resulting from the use of this material or design. 3M's only warranty shall be to replace any of our products found to be defective.

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NOT TO SCALE		CH	TJR
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3M Cable Grounding Kit 2252

For Use On
Shielded Cable
Cable Size Range:
#2 AWG-4/0

Electrical Products Division/3M
St. Paul, MN 55144-1000

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