

INSTALLATION INSTRUCTIONS FOR "QUICK-GRIP", SMOOTH CABLE SHEATH CONNECTORS, (3/8" to 7/8")

A. CABLE PREPARATION

1. If you are using a plastic jacketed cable, remove a length of plastic jacketing equal to the total connector length plus 4 inches. Do not score the aluminum outer conductor excessively during this operation. Use Table 1 to determine the score distance (A) for the cable size you are working with. Using a tubing cutter score the aluminum outer conductor deeply at the recommended distance from the cable end. Do not cut completely through the aluminum. Using emery cloth or a smooth cut file, remove scratches or marks for the first half inch between the score mark and the main cable length. At the same time also remove the burrs raised by the tubing cutter.
2. Remove the section of aluminum outer conductor between the score mark and the cable end. This can usually be done by flexing the cable until the aluminum separates at the score line. Using the finished edge of the aluminum outer conductor as a guide, cut the dielectric core through to the copper center conductor. CAUTION.... (In the case of Styroflex (R) cables, use a hot knife to cut the dielectric. This serves to fuse the tapes together and prevents unravelling of the dielectric core.) Remove the cutoff dielectric. The finished dielectric should be as square and clean as possible. Remove any dielectric material that adheres to the extended center conductor.
3. Consult Table 1 to determine the center conductor cutoff length (B) for your cable size. Cut the copper center conductor to the recommended length. In the case of tubular center conductors, a tubing cutter may be used instead of a saw. Deburr this cut and file a lead or round off the center conductor end. The prepared cable should now look like that shown in Figure 1.

TABLE 1

CABLE SIZE	A	B
3/8"	2"	3/8"
1/2"	2"	3/8"
7/8"	3"	1/2"

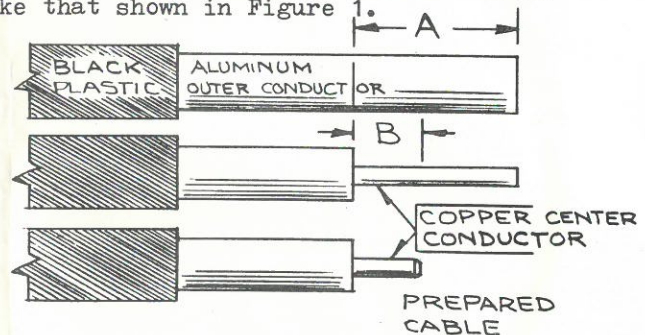


FIGURE 1

B. CONNECTOR MOUNTING

1. Be certain that the prepared cable end is free of dirt, dust or chips, which could prevent proper sealing of the "O"-Ring. Slide the grip assembly onto the cable with the open end facing the end of the cable. Slide on the "O"-Ring seal. A better seal will be obtained if the "O"-Ring is first lubricated with a silicon grease such as Dow Corning DC-4 compound.  
  
Plug the connector body assembly onto the cable, using care to allow the protruding copper center conductor to enter the female spring contact in the body assembly. Make sure that the cable is bottomed in the body.
2. While holding the bottomed connector against the cable, turn the grip assembly onto the body by hand. The cable will now usually remain bottomed in the connector. Complete the tightening using wrenches or spanners. The grip assembly will automatically pull the cable further into the body and assure a good electrical butt joint at the outer conductor.

BY REVERSING THE ABOVE PROCEDURE THE ENTIRE CONNECTOR CAN BE REUSED.....