TMC SPECIFICATION			NO. S 1235
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INSTALLATION INSTRUCTIONS FOR C75SLA100-EF CAPTIVE CENTER CONDUCTOR CONNECTORS TO SPIRAFIL II CABLE

TMC SPECIFICATION			NO. S 1235
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INSTALLATION INSTRUCTIONS FOR C75SLA100-EF CAPTIVE CENTER CONDUCTOR CONNECTORS TO SPIRAFIL II CABLE

A. CABLE PREPARATION

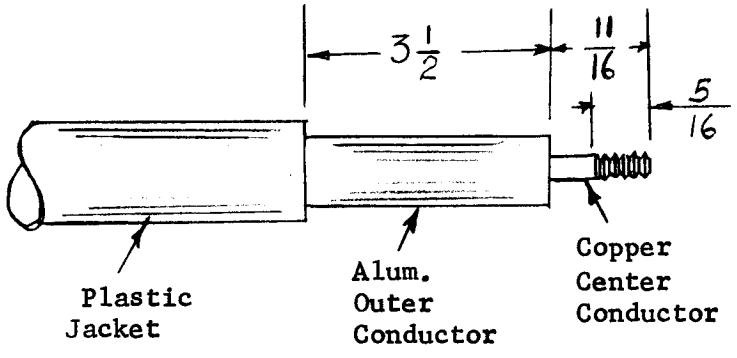
1. Cut off sufficient cable to remove any damaged outer conductor or out of round condition.

2. If you are using a plastic jacketed cable, remove 4½" of jacketing. Do not score the aluminum outer conductor during this operation.

3. Using a tubing cutter, deeply score the aluminum outer conductor 1" from the cable end. Do not cut completely through the aluminum. Using emery cloth or a smooth cut file, remove any scratches or marks for a distance of 1/2" from the score mark and the main cable length. At the same time, remove any burrs raised by the tubing cutter.

4. 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. Use the finished edge of the aluminum outer conductor as a guide, cut the dielectric core through to the copper center conductor. Remove the cut off dielectric.

5. Cut off the exposed center conductor 11/16" from the end of the outer conductor. Remove any burrs and file a lead on the center conductor. Using 1/4-20 unc die, cut a thread on the first 5/16" of the center conductor. Remove die and any chips or burrs on the cable end which could interfere with proper sealing of the O-ring.



B. CONNECTOR MOUNTING

1. Slide the black anodized Grip Assembly onto the cable, with the open or threaded end facing the end of the cable. Slide the loose 0-ring over the cable until it is approximately 1/4" from the cable end.

   NOTE: If conditions are suitable, the use of 0-ring lubricant is recommended on all 0-rings and gaskets. Use Parker 0-Lube, DC-4, or equal.

2. Mount the Retainer/Bead Assembly over the exposed threaded center conductor with the Bead away from the cable. The hole in the Teflon Bead is designed to have an interference fit with the center conductor, and the Assembly should be threaded into place until the outer conductor butts in the counterbore of the Retainer.

3. Thread the Contact onto the exposed center conductor until the short hex flange butts against the Teflon Bead. A "Spintite" or small wrench may be used to tighten firmly.

C. ENTRY FITTING (VSF TYPE)

This connector should be attached to the adaptor plate before being attached to the equipment.

1. Remove any existing fitting mounted in the equipment.

2. Make certain the hex Jam Nut at the front end of the fitting is screwed back against the connector Body, and the seal 0-ring is in position in the 5/8-24 thread undercut.

3. Screw the connector fitting body into the 5/8-24 threaded hole in the adaptor plate until the fitting seals against the plate. Adjust the position of the gas port by unscrewing the connector body no more than one full turn (360°) if necessary. While holding body in position, tighten the hex Jam Nut up against the plate using wrench. Attach completed adaptor plate assembly to (RAC) case. At this point connect copper wire to proper terminal as indicated on schematic (see inside of cover). Use splice connector if necessary to make connection to transformer.

4. Complete assembly by checking to be sure all threaded connections are tight by holding the mounted entry fitting stationary, turn the black anodized grip assembly on to the fitting body.

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