


ANDREW

Connectors

for HELIAX® FSJ4-50B Superflexible Foam-dielectric Coaxial Cable

Description

These connectors are designed for tab flaring of the outer conductor and soldering of the inner conductor to the inner conductor of the coaxial cable. Shrink tubing is applied at the clamping nut to complete the assembly.

Connector 44ASGR requires additional assembly of an inner adaptor and end plug on the outer body for mating to GR874 connectors.

Tools and Materials Required for Assembly

Knife	Soldering iron
Scale	Plastic head mallet
Wire brush	Miniature diagonal cutter
Flat file	Jeweler's or modelmaker's saw
Damp cloth	Two wrenches: 3/4 in (19 mm)
Rosin flux	Solvent: comothene, vythene, or other
Garnet cloth	nonflammable cleaning fluid
Soft solder	

Notice

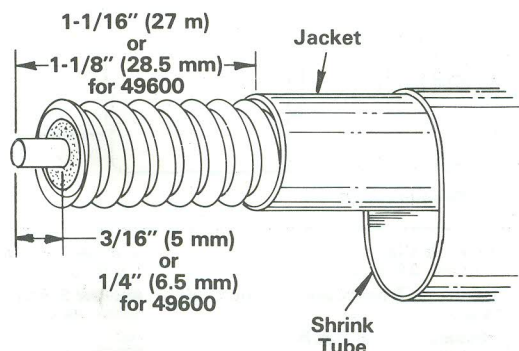
The installation, maintenance, or removal of antenna systems requires qualified, experienced personnel. Andrew installation instructions have been written for such personnel. Antenna systems should be inspected once a year by qualified personnel to verify proper installation, maintenance, and condition of equipment.

Andrew disclaims any liability or responsibility for the results of improper or unsafe installation practices.

Read the Following Instructions Thoroughly Before Assembly

1. Prepare Cable. Straighten the end of the cable for at least 10 inches (254 mm) and saw off a short section so that the cable end is square. Remove the jacket to the dimension shown, using a straight-edged piece of heavy paper wrapped around the cable to guide the cutting knife. Clean the outer conductor with solvent.

Carefully saw through the outer conductor and foam to the dimension shown. Make the cut shallow enough to

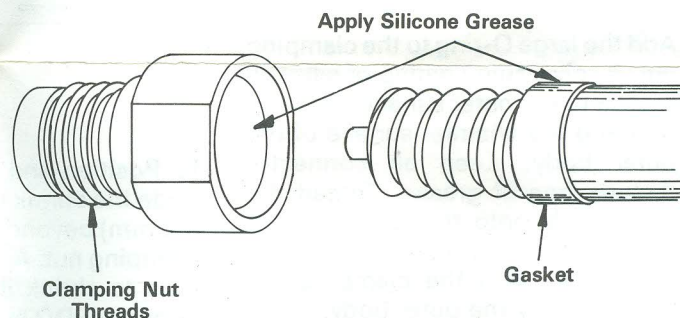


avoid damaging the inner conductor. Then unscrew the piece of cut conductor from the foam and trim off the foam with a sharp knife. Use a file to remove copper burrs and a wire brush to remove copper particles from the foam.

Slide the shrink tube provided onto the cable and position it a few inches from the cable end.

2. Add Gasket and Clamping Nut. Slide the gasket onto the outer conductor so that it butts against the jacket. Apply a thin coating of silicone grease with your finger tip to the outer surface of the gasket and to the gasket contact surface in the clamping nut. **Note:** The outer threads of the clamping nut must be kept free of grease.

Screw the clamping nut fully onto the outer conductor and over the gasket so that 1/16 inch (2 mm) of outer conductor protrudes from the clamping nut.



3. Slit and Bend Outer Conductor. Make approximately 10 to 12 slits in the outer conductor with miniature diagonal cutters to a depth of 1/16 inch (2 mm) and bend the tabs against the clamping nut as shown. Then lay a knife tip on the tabs and gently tap the knife with a mallet to flatten the tabs. Trim off any tabs that extend beyond the edge of the clamping nut. Trim the foam flush with the flattened tabs.

