Connectors, 4-1/16 inch 50 Ohm Flanged
for HELIAX® HJ11-50 Coaxial Cable
Types H11FB-401E, H11FP-401E, H11MB-401E, and H11MP-401E

Important For Proper Installation:

1. Cable section for installation must be straight 12” minimum in length.
2. Keep cable and connector clean of all dirt, moisture & debris.
3. Do not score the outer conductor (Step 2) when removing insulation.
4. Silicone Grease (Step 6 and 18) must not get on any electrical surface.
5. Recommend to air pressure test cable assembly to 10 psig before use.

Connector Weatherproof Kit, type number 221213, is available. Temperature differentials and wind loading can loosen components over time. The addition of a Connector Weatherproof Kit is recommended on all cable connections to help dampen wind vibrations and prevent loosening parts from ever allowing moisture to get inside.
3. Remove burrs.

4. Remove part of insulator.
   - Remove all copper particles.

5. Slide outer clamping ring and brass flat ring onto cable.

6. Apply silicone grease to gasket threads and screw gasket against jacket.

7. Screw HELIAx® Nut onto outer conductor and against gasket. Slots must be at cable end.

8. Cut slits in outer conductor at 3/16" (5 mm) intervals.

9. Tap outer conductor against inner edge of HELIAx® Nut.

Secure outer conductor to HELIAx® Nut by bending nearest tabs into slots.
10. Trim conductor tabs that extend beyond edge of HELIAX® Nut.

11. Install stub with screwdriver slots facing out.

Screw stub 1/2” (12.7 mm) into inner conductor.

12. Cut 12 V-notches 45° 1/4” (6.3 mm) deep.

13. Position stub. Lay scale flush against stub to align with outer conductor.

14. To hold stub in place, bend tab over stub slot.

Then bend tabs into stub slots.

15. Form tabs to stub.
For H11FB-401E and H11MB-401E

Prepare the insulator:

1. If you need a gas block connector, skip to step 17.
2. If you need to convert your gas block connector to a gas pass connector, drill through the 4 insulator guide holes with 3/16” (4.7mm) drill. Clean up any debris.

Place flare ring on insulator and screw bolt into stub so that pin enters stub slot

Place 2 O-rings on HELIAx® Nut and 1 O-ring on insulator. Apply silicone grease to O-rings and gasket and slide body into place.

Use 3 long screws, equally spaced, to pull parts together. Add short screws, replace long screws with short screws, and tighten to 6-8 lbf-ft (8.1-10.8 N-m)

Notice

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

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