

Types MACX350A-24, MACX450-24, and MACX675A-24 Inner Conductors



for MACXLine[®] Rigid Coaxial Transmission Lines

Description

Types MACX350A-24, MACX450-24, and MACX675A-24 Inner Conductor Kits are used for field trimming inner conductors to non-standard lengths of less than five feet. The inner conductors are supplied as a five foot inner conductor section with captivating inner connector and hardware kit. The inner conductor must be field cut to the desired length to mate with the corresponding outer conductor.

Notice

The installation, maintenance, or removal of antenna systems requires qualified, experienced personnel. ERI 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.

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

Installation Procedure

1. Measure the length of the outer conductor from flange face to flange face, in inches.
2. Subtract 1-25/32" for MACX350A-24 and 1-1/2" for MACX450-24 and MACX675A-24 (for inner cutback) from the outer conductor measured length. This is the required length of the inner conductor.
3. Measure and cut the inner conductor to the required length using a miter box and hacksaw. Remove all burrs on the inner conductor.
4. Carefully insert the trimmed inner conductor into the outer conductor. Extend the inner conductor beyond the flange face by a few inches and fully insert the inner connector into the inner conductor with the protective washer and 3/8" bolt head exposed and towards the antenna. The shoulder of the inner connector must bottom out on the end of the inner conductor. Use a small wrench to tighten the bolt. Do not overtighten the bolt. **The inner connector fingers should not bulge the inner conductor.** The bolt torque should be 3 in-lbf or less. If the inner conductor is held in one hand and the exposed inner connector is held in the other hand, it should be extremely difficult, if not impossible, to pull them apart.

