

Type MACX775-25-(240, 237, 234, 228) Inner Conductors for MACXLine® Rigid Coaxial Transmission Lines



Description

MACXLine inner conductors are factory cut to match the specified outer conductor length. No field cutting should be undertaken. The inner conductor is installed with its bellows and captivated inner connector at the antenna end of the line section.

Notice

The installation, maintenance, or removal of transmission line systems requires qualified, experienced personnel. Eri installation instructions have been written for such personnel. These systems should be inspected once a year by qualified personnel to verify condition of its components.

Handle the inner conductor with care to avoid damage to the bellows and copper tube.

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

Determine Mating Outer Length

Verify the correct outer conductor length by measuring the inner conductor length (with the bellows fully extended by checking that the Extender Screw is rotated clockwise as far as it will go) and adding 1.50 in (38.1 mm).

Take the measurement from the end of the inner conductor to the inside face of the conductor insulator. See Figure 1 for measurement points.

Type Numbers	Outer Length in (mm)	Inner Length in (mm)
MACX775-25-240	240.00 (6096)	238.50 (6058)
MACX775-25-237	237.00 (6020)	235.50 (5982)
MACX775-25-234	234.00 (5944)	232.50 (5906)
MACX775-25-228	228.00 (5791)	226.50 (5753)

Assemble the Inner Conductor

The inner conductor and insulators should be kept free of dirt, moisture, and grease.

Carefully spread the connector insulator open enough to slip over the inner connector.

Spread the intermediate support insulators apart by slightly twisting them at cut line and push into the groove on the inner conductor (two places).

After completing the above procedures, carefully insert the inner conductor assembly into the outer conductor. Push the inner conductor until the conductor insulator is fully seated into the flange.

Installation

For information on installing the completed 7-3/16" Rigid Coaxial Transmission Line, refer to Eri Bulletin 237646.

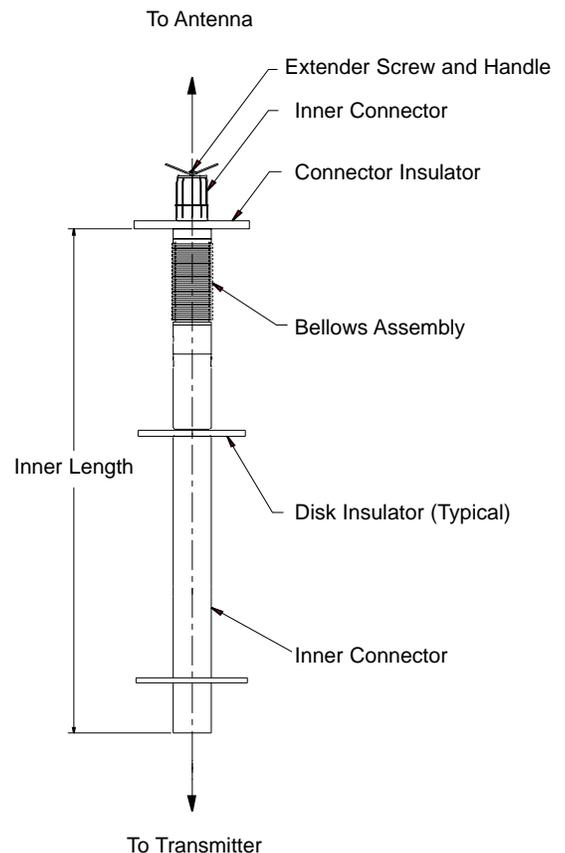


Figure 1