

Type MACX650-25-(240, 237, 234, 228) Inner Conductors for MACXLine® Rigid Coaxial Transmission Lines



Description

MACXLine inner conductors are factory trimmed according to the specified outer conductor length. No field cutting is required. Install inner conductors with the bellows and captivated inner connector toward the antenna.

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.

Determine Mating Outer Length

Determine the correct mating outer conductor length by measuring the inner conductor length (with the bellows fully expanded by fully screwing in the Lockout Screw) and adding 1.16 in (29.5 mm).

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

Type Numbers	Outer Length in (mm)	Inner Length in (mm)
MACX650-25-240	240.00 (6096)	238.84 (6067)
MACX650-25-237	237.00 (6020)	235.84 (5990)
MACX650-25-234	234.00 (5944)	232.84 (5914)
MACX650-25-228	228.00 (5791)	226.84 (5762)

Assemble the Inner Conductor

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

Fan insulator apart and push into the groove on the inner conductor (two places).

The connection between the bellows assembly and the Inner Conductor Tube is factory assembled and torqued. If, for any reason, this connection needs to be retorqued, optional tool kit Type MACX650-TK is available to disassemble the bellows and torque

the connection.

After completing the above procedures, carefully insert the inner conductor assembly into the outer conductor with the bellows end toward the antenna end of the outer conductor. Push the inner conductor until the conductor insulator is fully seated into the flange.

Prior to installing the completed 6-1/8" Rigid Coaxial Transmission Line refer to Bulletin 237679.

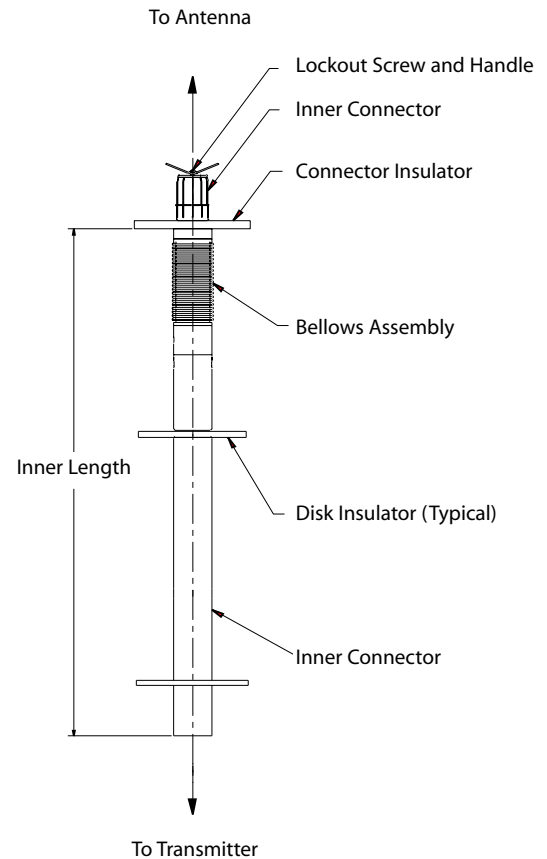


Figure 1