

End Terminals For Coaxial Cable and Rigid Transmission Lines

Types RLA150-80 (1-5/8 in.) and RLA350-80 (3-1/8 in.)

Description

These end terminals are designed for use with air-dielectric HELIAX® 50-ohm coaxial cable and 50-ohm rigid transmission line. They provide a pressure termination for the air-dielectric transmission line and terminate with a threaded stud. A strap connection is made to this stud for various applications, such as to an antenna or a transmitter. Each end terminal has a gas barrier and a gas port with a removable vent plug.

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 or unsafe installation practices.

Read the Instructions Thoroughly before Assembly

1. After unwrapping, see that the end terminal, O-ring seal, and inner connector are kept perfectly clean. Insert the inner connector into the end terminal inner conductor with a twisting motion to ensure full engagement. When properly engaged, the inner connector insulator will be sealed in the flange groove so that only half of the insulator remains exposed.

2. Seat the rubber O-ring seal into the end terminal flange groove. Make sure that both the seal and the groove are clean. Any foreign matter may prevent the assembly from being pressure tight. A thin coating of silicone grease on the seal and in the flange groove will help to hold the seal in place during assembly. Ensure that no silicone remains on electrical contact surfaces.

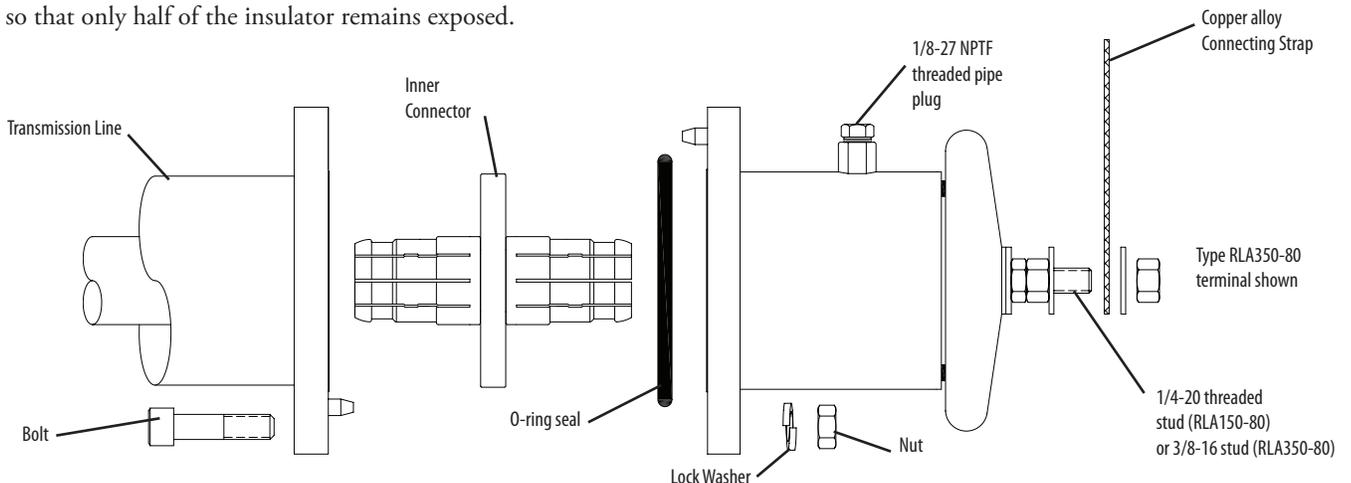
3. Join the end terminal to the existing connector by inserting the inner connector (protruding from the end terminal) into the inner conductor of the transmission line. Align the pins with the holes in the flanges and push the assembly together, making sure that the seal remains in place. Add the hardware and tighten the bolts evenly.

4. Make the strap connection from the antenna or transmitter to the end terminal stud and tighten the cap nut, if applicable. Tighten the strap-connecting nut only.

5. If the end terminal is to be used as a pressurizing inlet for the transmission line, remove the gas vent plug and replace it with pressurizing fittings. Use sealing tape or pipe sealant to ensure a pressure-tight connection.

CAUTION

Do not overtighten the terminal stud connection because this will damage the insulator.



For Technical Support call 877 ERI-LINE or +1 812 925-6000, or visit our website at www.eriinc.com

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