

EIA Flange Adapters for Rigid Transmission Lines

Types RLA050-NF, RLA150-NF, & RLA350-NF and RLA050-LC & RLA150-LC

Description

The adapters are used to join EIA flanged transmission line to Types N or LC Plugs on coaxial cables. A gas barrier and gas port with removable vent plug are incorporated.

Flange Adapter Installation Instructions

Read the instructions thoroughly before assembly.

1. Insert inner connector into adapter inner conductor using twisting motion to insure full engagement. Only half of insulator on inner conductor should be exposed.
2. Apply thin coating of silicone grease to O-ring and adapter flange O-ring groove. Seat O-ring into flange groove. O-ring and groove must be clean, as any foreign matter may prevent assembly from being pressure tight. See that electrical contact surface is free of silicone grease.
3. Join adapter to transmission line by inserting inner connector (extending from adapter) into transmission

line inner conductor. Align pins with alignment holes in flanges. Push assembly together making certain O-ring remains in place. Add connecting hardware and tighten evenly.

4. Connect cable connector plug to adapter jack. Weatherproof by applying several layers of vinyl or other weatherproofing tape over connection.

5. If adapter is to be used as pressurization inlet for coaxial cable, remove gas vent plug and replace it with pressurizing fittings. Use suitable pipe-thread sealer such as Teflon tape or pipe dope to insure pressure-tight connection. Tighten with small wrench.

| Type No. | Impedance, Ohms | EIA Flange, in. | Adapter Length, in. (mm) | Jack | Mating Plug |
|-----------|-----------------|-----------------|--------------------------|------|-------------|
| RLA050-NF | 50 | 7/8 | 3-1/8 (79) | N | UG-21E/U |
| RLA150-NF | 50 | 1-5/8 | 3-13/16 (97) | N | UG-21E/U |
| RLA350-NF | 50 | 3-1/8 | 4-3/8 (111) | N | UG-21E/U |
| RLA050-LC | 50 | 7/8 | 3-1/4 (83) | LC | UG-154A/U |
| RLA150-LC | 50 | 1-5/8 | 4-3/4 (121) | LC | UG-154A/U |

Table 1.

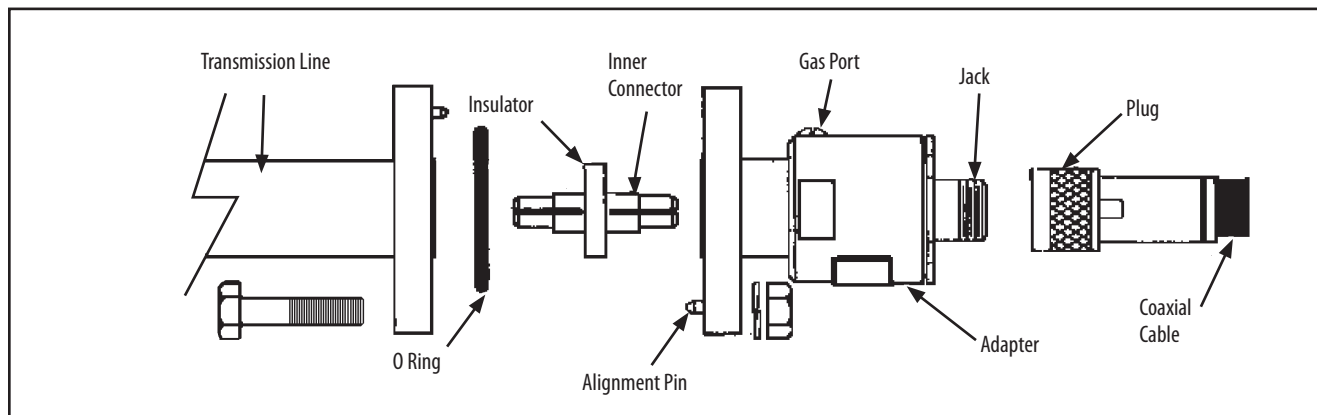


Figure 1.

NOTICE

The installation, maintenance, or removal of antenna systems requires qualified, experienced personnel. Antenna systems should be inspected once per year by qualified personnel to verify proper installation, maintenance, and condition of equipment. ERI DISCLAIMS LIABILITY OR RESPONSIBILITY FOR THE RESULTS OF IMPROPER OR UNSAFE INSTALLATION PRACTICES.

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