



7/8" EIA Connector for 1/2" Coaxial Cable, Straight O-ring sealing, Brass/Silver

Product Description

Radio Frequency Systems line of high performance coaxial cable connectors are designed specifically to provide the highest quality connector-cable interface while simplifying and speeding up the attachment of connectors to CELLFLEX® coaxial cables. RFS connectors are fully tested for mechanical and electrical compliance specifications. They are available in all popular cable sizes in a variety of mating interfaces. To join two cables with EIA connectors, two identical socket connectors are installed on either end of the cables to be joined, and a coupling element is used to make the connection of the center conductor. The coupling element must be ordered separately with the exception of the S-Line male versions that have a captivated coupling element. Connectors are available in sizes matching the nominal cable size. EIA connectors provide optimal power handling for the complete transmission line system.

Features/Benefits

- **Waterproof** - The only totally waterproof connector in the industry. Compliant with IP68 water immersion testing. Press fit contact/bead O-ring keeps out moisture and prevents vacuum build-up and air exchange due to temperature swings.
- **Solderless** - Captivated spring finger contacts permit quick, easy and precise solderless installation utilizing only basic hand tools. Avoids the potential high impedance risk associated with traditional soldering.
- **Self Flaring** - Self flaring design reduces installation time and thus, saves on labor costs.
- **Corrosion-Proof Plated Contacts** - Featured even on standard connectors. Provide improved contact resistance and lower intermodulation.
- **Outstanding Electrical Performance** - Metal to Metal contact between cable and connector - no plastic parts used. Secure connection highly resistant to pull-off or twist-off provides long-term mechanical integrity. Resistant to intermodulation after temperature cycling.
- **Easy to Install** - No special tools needed. Only basic hand tools required. No additional costs to the installer.

Technical Specifications

Transmission Line Type	Coaxial Cable
Cable Size	1/2"
Cable Type	Foam Dielectric, Air Dielectric
Model Series	LCF12-50 Series, ICA12-50 Series
Connector Interface	7/8" EIA
Nominal Impedance, ohms	50
Connector Type	Straight
Sealing Method	O-ring
Gender	None
Plating Outer/Inner	Brass/Silver
Length, mm (in)	86.4 (3.4)
Outer Diameter, mm (in)	25.4 (1)
Weight, kg (lb)	0.17 (0.37)
Inner Contact Attachment	Basket
Outer Contact Attachment	Self Flare
Wrench size front, mm (in)	24 (15/16)
Wrench size rear, mm (in)	21 (7/8)
Trimming Tool	TRIM-Series-B

Notes

Other Documentation

All information contained in the present datasheet is subject to confirmation at time of ordering