PRODUCT DATASHEET

318EIA-CE-002

3-1/8" EIA Coupling Element

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® and Air Dielectric Cable® coaxial cables. RFS Technologies 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. The coupling element comes along with the necessary hardware (O-ring and nuts and bolts) to connect the EIA connectors.



Bullet 3 1/8"

FEATURES / BENEFITS

- Excellent gas tightness, Overpressure for increased voltage handling is maintained throughout the system
- Robust Mechanical Design, Superior and consistent performance guarantees outstanding system characteristics.
- Extremely low reflection factor, Outstanding low reflection factor improves overall system performance and margin and reduces mismatch losses
- Totally Waterproof according to IP 68, Assures safe, long term operation in the harshest of environments. System tightness doesn't have to rely on overpressure from dehydration equipment.

Technical features

GENERAL SPECIFICATIONS			
Transmission Line Type		Coaxial Cable	
Cable Type		Foam Dielectric	Air Dielectric
Connector Interface		3-1/8" EIA	
Connector Type		Coupling Element	
Sealing Method		O-ring	
Gender		None	
ELECTRICAL SPECIFICATIONS			
Nominal Impedance, ohms	Ohm	50	
MECHANICAL SPECIFICATIONS			
Plating Outer/Inner		Silver	
Length	mm (in)	101 (3.98)	
Outer Diameter	mm (in)	81 (3.19)	
Inner Contact Attachment		Spring Finger	

External Document Links

Notes

All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering