



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 HELIFLEX® 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 IEC 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. IEC connectors provide optimal power handling for the complete transmission line system.

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.



Connector 4-1/2" EIA

Technical features**GENERAL SPECIFICATIONS**

Transmission Line Type		Coaxial Cable
Cable Size		5-1/2
Cable Type		Air Dielectric
Model Series		HCA495-50 Series
Connector Interface		4-1/2" IEC
Connector Type		Gas barrier
Sealing Method		Sealing compound ¹⁾
Gender		Female

MECHANICAL SPECIFICATIONS

Plating Outer/Inner		Silver/Silver
Length	mm (in)	300 (11.81)
Outer Diameter	mm (in)	212 (8.35)
Inner Contact Attachment		Threaded
Outer Contact Attachment		Tab Flare

TESTING AND ENVIRONMENTAL

Sealing Volume, cm ³ (ounces)	cm ³ (ounces)	250 (8.45)
--	--------------------------	------------

External Document Links**Notes**

¹⁾ The sealing compound must be ordered separately.