



318EIA-HCA400-019

3-1/8" EIA Connector for 4" Coaxial Cable, Gas stop/ Gas pass,O-Ring Sealing



Radio Frequency Systems line of high-performance HELIFLEX® coaxial cable connectors are characterized by excellent gas tightness and extremely low losses. HELIFLEX® connectors can be installed with basic hand tools. Tab flare of outer connection and use of o-ring sealing simplifies installation of the connector. RFS connectors are fully tested for mechanical and electrical compliance to specifications. HELIFLEX® connectors have excellent electrical values and provide outstanding performance for the most demanding applications. The RFS connector design provides maximum sealing integrity and gas tightness.

Features / Benefits

- Easy installation utilizing only basic hand tools.
- Tab flare of outer contact attachment means quick and simple installation.
- No need for sealing compound. The connector is ready for pressurization immediately after installed to the cable.
- Excellent gas tightness. Overpressure for increased voltage handling is maintained throughout the system.
- Outstanding VSWR performance improves overall system performance.
- Totally waterproof, assures safe, long term operation in the harshest of environments.
- RoHS (EU) and CRoHS (China) compliant, can be used on a global basis.

Technical Features

STRUCTURE

Cable Type	Air Dielectric
Cable Size	4"
Model Series	HCA400-50 Series
Connector Interface Size	3-1/8" EIA

MECHANICAL SPECIFICATIONS

Connector Length	195mm (7.7in)
Connector Outer Diameter	140mm (5.5in)
Inner Conductor Material / Coating	Copper-alloy / Silver
Outer Conductor Material / Coating	Copper-alloy / Tri plate
Sealing Method	O-ring

ELECTRICAL SPECIFICATIONS

Nominal Impedance	50 Ω	
Connector Frequency Range	DC - 1500 MHz GHz	
Frequency Range	VSWR	Return Loss
DC - 860 MHz	1.02	40
860 - 1500 MHz	1.05	32

Note	1) The connector is converted to gas pass by drilling through the pilot hole in the insulator. 2) Connector does not include an inner connector.
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Related Documents

Installation Instruction
Other Documents