



618EIA-HCA618-002

618" EIA Connector for 6-1/8" Coaxial Cable, Gas stop / Gas pass, Silicone 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, but the use of dedicated installation tools further facilitates ease of assembly and improves performance. RFS connectors are fully tested for mechanical and electrical compliance specifications. HELIFLEX® premium 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.

Feature / 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

GENERAL SPECIFICATIONS

Cable Size	6-1/8"
Cable Type	Air Dielectric
Model Series	HCA618-50 Series
Connector Interface	6-1/8" EIA (50 Ω) per IEC 60339-2
Connector Type	Gas stop / Gas pass - See Note 1.
Sealing Method	Silicone compound, PLAST 2000 - See Note 2.

TESTING AND ENVIRONMENTAL

Waterproof Level	IP68 (pressure-tight up to 4 bar / 400 kPa)
Storage Temperature	-70°C to 85°C (-94°F to 185°F)
Operation Temperature	-40°C to 85°C (-40°F to 185°F)

MECHANICAL SPECIFICATIONS

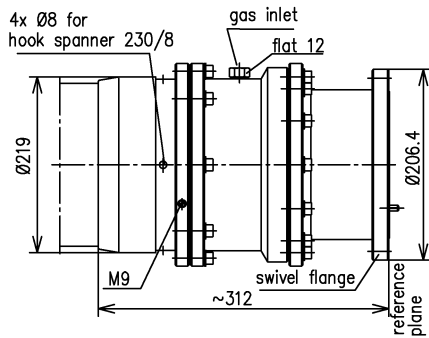
Body Material	Copper alloy
Inner Contact Material	Copper alloy
Plating Outer/Inner	silver
Length	312mm (12.283in)
Outer Diameter	219mm (8.622in)
Weight	25.6kg (56.438lb)

ELECTRICAL SPECIFICATIONS

Connector Frequency Range	DC - 860MHz GHz
---------------------------	-----------------

**618EIA-HCA618-002**

618" EIA Connector for 6-1/8" Coaxial Cable, Gas stop / Gas pass, Silicone Sealing



External Document Links

Notes

1. The connector is converted to gas pass by drilling through the pilot hole in the insulator.
2. Sealing compound must be ordered separately.
3. Connector does not include an inner connector.

Related Documents



TML Value Proposition
Value Propositions