

**716M-HCA158-001**

7/16 DIN Male Connector for 1-5/8" Coaxial Cable, Gas stop, 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. Tab flange of outer connection and use of silicone 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.
- 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	1-5/8"
Model Series	HCA158-50 Series
Connector Interface Size	7-16 DIN (50 Ω) per IEC 61169-4
Connector Interface Gender	male

MECHANICAL SPECIFICATIONS

Connector Length	146mm (5.748in)
Connector Outer Diameter	74mm (2.913in)
Sealing Volume	20cm ³ (0.676ounces)
Inner Conductor Material / Coating	Copper-alloy / Silver
Outer Conductor Material / Coating	Copper-alloy / Silver
Sealing Volume	20cm ³ (0.676ounces)
Sealing Method	Sealing compound, Plast 2000 1)

ELECTRICAL SPECIFICATIONS

Nominal Impedance	50 Ω	
Connector Frequency Range	0 -2.7 GHz	
Frequency Range	VSWR	Return Loss
DC - 1000 MHz	1.02	40
1000 - 2300 MHz	1.03	36.6
2300 - 2700 MHz	1.06	30.7



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ACCESSORIES

Trimming Tool	FTOOL-B118318	FDIE-B158
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Note	1) Connector does not include PLAST 2000 silicone sealing Gas inlet thread G1/8"
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Related Documents



Installation Instruction

External Datasheet