

**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.

**Feature / 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****GENERAL SPECIFICATIONS**

Cable Size	1-5/8"
Cable Type	Air Dielectric
Model Series	HCA158-50 Series
Connector Interface	7-16 DIN (50 Ω) per IEC 61169-4
Connector Type	Gas barrier
Sealing Method	Sealing compound 1) Silicone rubber inside connector Copper sealing for gas inlet

**MECHANICAL SPECIFICATIONS**

Body Material	Copper alloy
Inner Contact Material	Copper alloy
Plating Outer/Inner	silver-plated / silver-plated
Length	146mm (5.748in)
Outer Diameter	74mm (2.913in)
Weight	1.5kg (3.307lb)
Inner Contact Attachment	Thread
Outer Contact Attachment	Tab Flare

**ELECTRICAL SPECIFICATIONS**

Maximum Frequency	2.7 GHz	
Frequency Range	VSWR value	Return Loss value
0 < f ≤ 1.0 GHz	1.02	40
1.0 < f ≤ 2.3 GHz	1.03	36.6
2.3 < f ≤ 2.7 GHz	1.06	30.7

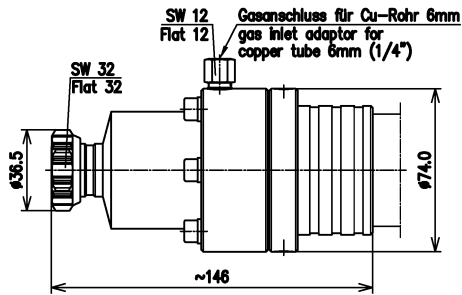
**ACCESSORIES**

Trimming Tool	FTOOL-B118318	FDIE-B158
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External Document Links

Notes

- 1) Connector does not include PLAST 2000 silicone sealing
- Gas inlet thread G1/8"

Related Documents



**TML Value Proposition**  
Value Propositions