

**716F-LCF158-C02**

7-16 DIN Female Connector for 1-5/8" Coaxial Cable, OMNI FIT™ standard, O-ring sealing



OMNI FIT™ high performance connectors are designed for use with both CELLFLEX® (copper) and CELLFLEX® Lite (aluminum) cables. They are designed specifically to provide the highest quality connector-cable interface while simplifying and speeding up connector attachment. All RFS connectors are fully tested for mechanical and electrical compliance to industry specifications. The 7-16 connector is the most rugged RF connection meeting all requirements even under the most severe environmental conditions.

Feature / Benefits

- Cost effective two-piece design for safe and easy installation
- Compatible with copper and aluminium cable types i.e. one connector for both outer conductor materials eliminates the risk of faulty connector installation and helps to keep inventory down
- Robust mechanical design for low and consistent intermodulation performance i.e. keeps the mobile network performance up reduces the number of dropped calls and avoids revenue losses
- Superior electrical performance for consistent and repeatable VSWR i.e. ensure network system performance
- Waterproof to IP 68 i.e. no downtime risk, secures revenue
- RoHS (EU) and CRoHS (China) compliant i.e. can be used on a global basis

Technical features**GENERAL SPECIFICATIONS**

Cable Size	1 5/8	
Cable Type	Foam Dielectric, Radiating	
Model Series	LCF158-50 Series	RCF158-50 Series
Connector Interface	7-16 DIN	
Connector Type	OMNI FIT™ Standard	
Sealing Method	O-ring	

TESTING AND ENVIRONMENTAL

Waterproof Level	IP68
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MECHANICAL SPECIFICATIONS

Plating Outer/Inner	Trimetal/Silver
Length	64.6mm (2.54in)
Outer Diameter	62.9mm (2.5in)
Inner Contact Attachment	Spring Finger
Outer Contact Attachment	Spring C-Ring

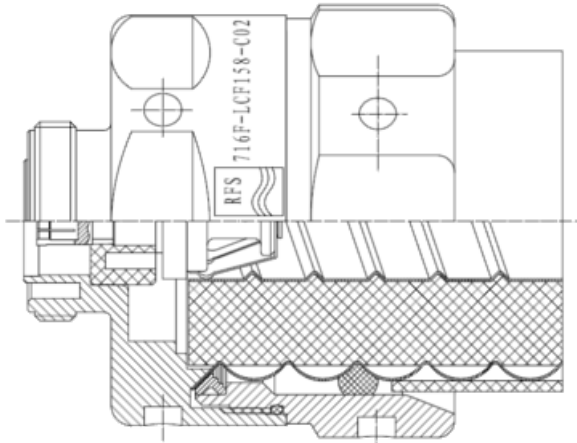
ELECTRICAL SPECIFICATIONS

Nominal Impedance	50 ohms	
3rd Order IM Product @ 2x20 Watts	-159 typical	
Maximum Frequency	2.75 GHz	
Frequency Range	VSWR value	Return Loss value
0 < f=1.0 GHz	1.03	36.6
1.0 < f=2.2 GHz	1.04	34.1



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External Document Links

Notes