

**716F-SCF12-D01****7-16 DIN Female Connector for 1/2" Coaxial Cable, OMNI FIT™ Premium,  
Straight, threaded gasket and 360° compression sealing**

OMNI FIT™ high performance connectors are designed for use with both CELLFLEX® (copper) and CELLFLEX® Lite (aluminium) 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. Sealing against outer conductor and jacket by means of threaded gasket and 360° compression fit. Multifunctional, self-lubricating HighTech polymer assembly locks on cable corrugation, avoids electrochemical potential differences and compression-fits to the jacket.

**Feature / Benefits**

- Ultra high PIM performance i.e. reduced interference leading to high customer satisfaction
- Two-piece design i.e. visual inspection of interlocking leads to improved installation security
- OMNI FIT™ concept i.e. streamlined order management and reduced stock level
- Watertight sealing in mated and unmated condition, i.e. reduced efforts during installation and improved security during operation
- Unique NiTin plating i.e. extreme resistance against corrosion even under hardest climatic and environmental circumstances
- Multi-thread (Tristart) design i.e. simplified and accelerated tightening process
- RoHS (EU) and CRoHS (China) compliant i.e. can be used on a global basis

**Technical features****GENERAL SPECIFICATIONS**

Cable Size	1/2
Cable Type	Foam Dielectric Superflexible
Model Series	SCF12-50 Series
Connector Interface	7-16 DIN
Connector Type	OMNI FIT™ PREMIUM Straight
Sealing Method	Threaded Gasket + 360° Compression

**TESTING AND ENVIRONMENTAL**

Waterproof Level	IP68
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**MECHANICAL SPECIFICATIONS**

Plating Outer/Inner	NiTin/Silver
Length	486mm (2in)
Outer Diameter	29mm (1in)
Inner Contact Attachment	Spring Finger
Outer Contact Attachment	360° clamping

**ELECTRICAL SPECIFICATIONS**

Nominal Impedance	50 ohms	
3rd Order IM Product @ 2x20 Watts	-163 ; typical -167	
Maximum Frequency	3.7 GHz	
Frequency Range	VSWR value	Return Loss value
0 < f ≤ 1.0 GHz	1.02	40
1.0 < f ≤ 2.7 GHz	1.03	36.6
2.7 < f ≤ 3.7 GHz	1.06	30.7

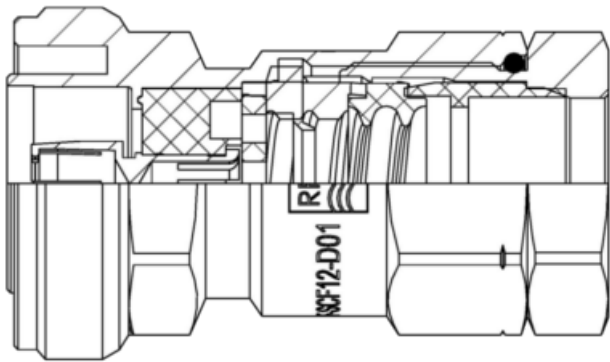


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**ACCESSORIES**

Trimming Tool	TRIM-12-S06 TRIM-SCF12-D01-A
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External Document Links

Notes