



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 Technologies 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.

FEATURES / 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



OMNI FIT™ Premium Connectors

Technical features

GENERAL SPECIFICATIONS

Table with 3 columns: Specification, Unit, Value. Rows include Transmission Line Type (Coaxial Cable), 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), Gender (Female).

ELECTRICAL SPECIFICATIONS

Table with 3 columns: Specification, Unit, Value. Rows include Nominal Impedance (50 Ohm), 3rd Order IM Product @ 2x20 Watts (-163 dBc), Maximum Frequency (3.7 GHz), VSWR, Return Loss (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)).



### 716F-SCF12-D01

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

#### MECHANICAL SPECIFICATIONS

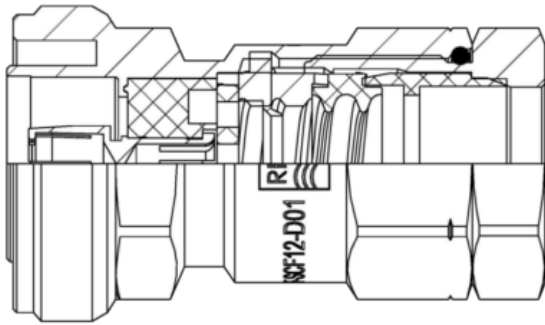
Plating Outer/Inner		NiTin/Silver
Length	mm (in)	486 (2)
Outer Diameter	mm (in)	29 (1)
Inner Contact Attachment		Spring Finger
Outer Contact Attachment		360° clamping

#### ACCESSORIES

Wrench size front	mm (in)	22 (7/8)
Wrench size rear	mm (in)	22 (7/8)
Trimming Tool		TRIM-12-S06 TRIM-SCF12-D01-A

#### TESTING AND ENVIRONMENTAL

Waterproof Level		IP68
------------------	--	------



[External Document Links](#)  
[Installation Instruction](#)

[Notes](#)