716MR-SCF12-C02

7-16 DIN Male Right Angle Connector for 1/2" Coaxial SuperFlexibleCable, OMNI FIT™ standard

Product Description

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.

OMNI FIT™ Standard Connectors

Features/Benefits

- Cost effective two-piece design for safe and easy installation
- 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
- · Standard 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) compliant i.e. can be used on a global basis

Technical Specifications Transmission Line Type	Coaxial Cable	
Cable Size	1/2"	
Cable Type	Foam Dielectric Superflexible	
Model Series	SCF12-50 Series	
Connector Interface	7-16 DIN	
Nominal Impedance, ohms	50	
Connector Type	OMNI FIT™ Standard Right Angle	
Sealing Method	O-ring	
Gender	Male	
Plating Outer/Inner	Trimetal/Silver	
Length, mm (in)	48 (1.9)	
Outer Diameter, mm (in)	37 (1.45)	
Weight, kg (lb)	0.2 (0.44)	
Inner Contact Attachment	Basket	
Outer Contact Attachment	Rigidity impaction	
3rd Order IM Product @ 2x20 Watts, dBc	-159 typical	
Maximum Frequency, GHz	3.7	
VSWR (Return Loss, dB)	0 < f = 1.0 GHz: 1.04 (34.1)	
	1.0 < f = 2.2 GHz: 1.07 (29.4)	
	2.2 < f = 2.7 GHz: 1.09 (27.3)	
	2.7 < f = 3.7 GHz: 1.13 (24.3)	
Wrench size front, mm (in)	18 (7/10)	
Wrench size rear, mm (in)	18 (7/10)	
Waterproof Level	IP68	

Other Documentation

Installation instruction: 1000006017-04.pdf

RFS The Clear Choice ® Please visit us on the internet at http://www.rfsworld.com/ 716MR-SCF12-C02

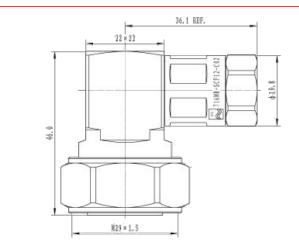
Rev: C / 11.Dec.2013





716MR-SCF12-C02

7-16 DIN Male Right Angle Connector for 1/2" Coaxial SuperFlexibleCable, OMNI FIT™ standard





RFS The Clear Choice ® Please visit us on the internet at http://www.rfsworld.com/ 716MR-SCF12-C02