

7-16 DIN Female Connector for 1/2" Coaxial Cable, OMNI FIT™ Premium, Straight, Polymer claw and compression sealing

Product Description

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 the polymer claw and 360° compression fit. Multifunctional, self-lubricating HighTech polymer assembly locks on cable corrugation, avoids electrochemical potential differences and compression-fits to the jacket.



OMNI FIT™ Premium Connectors

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

Technical Specifications Transmission Line Type	Coaxial Cable	
Cable Size	1/2"	
Cable Type	Foam Dielectric	
Model Series	LCF12-50 Series, ICA12-50 Series	
Connector Interface	7-16 DIN	
Nominal Impedance, ohms	50	
Connector Type	OMNI FIT™ PREMIUM Straight	
Sealing Method	Polymer claw + 360° Compression	
Gender	Female	
Plating Outer/Inner	NiTin/Silver	
Length, mm (in)	52.2 (2.05)	
Outer Diameter, mm (in)	30.2 (1.19)	
Weight, kg (lb)	0.12 (0.26)	
Inner Contact Attachment	Basket	
Outer Contact Attachment	360° clamping	
3rd Order IM Product @ 2x20 Watts, dBc	-163 ; typical -167	
Maximum Frequency, GHz	3.7	
VSWR (Return Loss, dB)	0 < f = 1.0 GHz: 1.02 (40.0)	
	1.0 < f = 2.7 GHz: 1.03 (36.6)	
Manager at the state of the sta	2.7 < f = 3.7 GHz: 1.06 (30.7)	
Wrench size front, mm (in)	27 (1-1/16)	
Wrench size rear, mm (in)	27 (1-1/16)	
Trimming Tool	TRIM-SET-L12-D01	
	TRIM-LCF12-D01-A	
Waterproof Level	IP68	

Notes

Other Documentation

Installation Instruction: 2800130-B.pdf

All information contained in the present datasheet is subject to confirmation at time of ordering



7-16 DIN Female Connector for 1/2" Coaxial Cable, OMNI FIT™ Premium, Straight, Polymer claw and compression sealing



