

PRODUCT DATASHEET NM-SCF12-D01

N Male 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 N connector meets all technical requirements and covers high frequencies as well as legacy applications. 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

Technical features



OMNI FIT[™] Premium Connectors

Transmission Line Type		Coaxial Cable
Cable Size		1/2
Cable Type		Foam Dielectric Superflexible
Model Series		SCF12-50 Series
Connector Interface		Ν
Connector Type		OMNI FIT™ PREMIUM Straight
Sealing Method		Threaded Gasket + 360° Compression
Gender		Male
ELECTRICAL SPECIFICATIONS		
Nominal Impedance, ohms	Ohm	50
3rd Order IM Product @ 2x20 Watts	dBc	-156 ; typical -162
Maximum Frequency	GHz	6.0
VSWR, Return Loss	VSWR (dB)	0 < f \le 1.0 GHz: 1.02 (40) 1.0 < f \le 2.7 GHz: 1.03 (36.6) 2.7 < f \le 3.7 GHz: 1.08 (28.3) 3.7 < f \le 5.0 GHz: 1.10 (26.4) 5.0 < f \le 6.0 GHz: 1.11 (25.7)
MECHANICAL SPECIFICATIONS		
Plating Outer/Inner		NiTin/Silver
Length	mm (in)	52.5 (2.1)
Outer Diameter	mm (in)	24.8 (1)
Inner Contact Attachment		Spring Finger
Outer Contact Attachment		360° clamping

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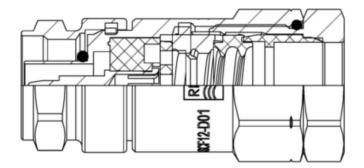


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ACCESSORIES			
Wrench size front	mm (in)	22 (7/8)	
Wrench size rear	mm (in)	22 (7/8)	
Trimming Tool		TRIM-12-S06 TRIM-SCF12-D01-A	
TESTING AND ENVIRONMENTAL			
Waterproof Level		IP68	



External Document Links Installation Instruction Notes

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REV : C

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