

N Male Connector for 3/8" 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
- \bullet 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

External Document Links
Installation Instruction

Technical features

Transmission Line Type	Coaxial Cable		
Cable Size		3/8	
Cable Type	Foam Dielectric Superflexible		
Model Series		SCF38-50 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	3.7	
VSWR, Return Loss		0 < f ≤ 1.0 GHz: 1.02 (40)	
	VSWR (dB)	1.0 < f ≤ 2.7 GHz: 1.03 (36.6)	
		2.7 < f ≤ 3.7 GHz: 1.06 (28.3)	

Notes

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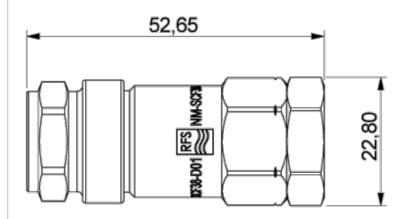


OMNI FIT[™] Premium Connectors



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MECHANICAL SPECIFICATIONS				
Plating Outer/Inner		NiTin/Silver		
Length	mm (in)	52.65 (2.06)		
Outer Diameter	mm (in)	22.8 (0.9)		
Inner Contact Attachment		Spring Finger		
Outer Contact Attachment		360° clamping		
ACCESSORIES				
Wrench size front	mm (in)	20 (13/16)		
Wrench size rear	mm (in)	20 (13/16)		
TESTING AND ENVIRONMENTAL				
Waterproof Level		IP68		



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