

N Male Straight Connector for 3/8" Coaxial Cable, OMNI FIT™ Premium

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 N connector meets all technical requirements and covers high frequencies as well as legacy applications. Sealing against outer conductor and jacket by means of o-ring and 360° compression fit.

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
- Tri metal alloy 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



RAPIT FIT™ Connectors

GENERAL SPECIFICATIONS			
Transmission Line Type		Coaxial Cable	
Cable Size		3/8	
Cable Type		Foam Dielectric	
Connector Interface		Ν	
Connector Type		OMNI FIT™ PREMIUM Straight	
Sealing Method		O-ring + 360° Compression	
Gender		Male	
ELECTRICAL SPECIFICATIONS			
Nominal Impedance, ohms	Ohm	50	
3rd Order IM Product @ 2x20 Watts	dBc	-163 ; typical -167	
Maximum Frequency	GHz	6	
VSWR, Return Loss	VSWR (dB)	0 < f ≤ 1.0 GHz: 1.02 (40) 1.0 < f ≤ 2.2 GHz: 1.03 (37) 2.2 < f ≤ 2.7 GHz: 1.03 (37) 2.7 < f ≤ 3.8 GHz: 1.08 (28) 3.8 < f ≤ 5.0 GHz: 1.15 (23) 5.0 < f ≤ 6.0 GHz: 1.22 (20)	
MECHANICAL SPECIFICATIONS			
Plating Outer/Inner		Tri metal alloy/Silver	
Length	mm (in)	65 (2.559)	
Outer Diameter	mm (in)	24 (0.945)	
Inner Contact Attachment		Basket	
Outer Contact Attachment		Spring Finger	

NM-LCF38-E01

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ACCESSORIES				
Wrench size front	mm (in)	22 (19)		
Wrench size rear	mm (in)	22		
TESTING AND ENVIRONMENTAL				
Waterproof Level		IP68		
HEX 19 HEX 22 HEX 22				
External Document Links Installation Instruction		Notes		