

**NM-LCF114-C02**

N Male Connector for 1-1/4" Coaxial Cable, OMNI FIT standard, O-ring sealing



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 N connector is one of the most common RF connector types and meets all requirements even under the most severe environmental conditions.

**Feature / Benefits**

- Cost effective two-piece design for safe and easy installation
- Compatible with copper and aluminium cable types i.e. one connector for both outer conductor materials eliminates the risk of faulty connector installation and helps to keep inventory down
- 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 features****GENERAL SPECIFICATIONS**

Cable Size	1-1/4			
Cable Type	Foam Dielectric, Ultraflexible, Radiating			
Model Series	UCF114-50A	LCFS114-50A	UCF114-50L	LCFS114-50L Series
Connector Interface	N			
Connector Type	OMNI FIT™ Standard			
Sealing Method	O-ring			

**TESTING AND ENVIRONMENTAL**

Waterproof Level	IP68
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**MECHANICAL SPECIFICATIONS**

Plating Outer/Inner	Trimetal/Silver
Length	75.7mm (2.98in)
Outer Diameter	48.8mm (1.92in)
Inner Contact Attachment	Spring Finger
Outer Contact Attachment	Spring C-Ring

**ELECTRICAL SPECIFICATIONS**

Nominal Impedance	50 ohms	
3rd Order IM Product @ 2x20 Watts	-159 typical	
Maximum Frequency	3.6 GHz	
Frequency Range	VSWR value	Return Loss value
0 < f ≤ 1.0 GHz	1.03	36.6
1.0 < f ≤ 2.7 GHz	1.04	34.1
2.7 < f ≤ 3.7 GHz	1.08	28.3

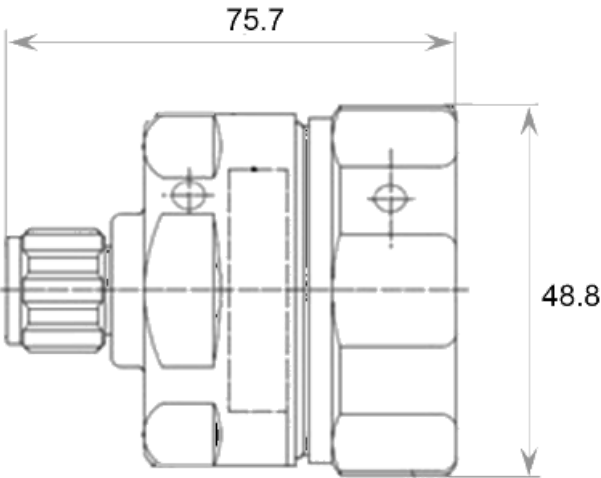


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**ACCESSORIES**

Trimming Tool	TRIM-SET-L114-C02
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External Document Links

Notes