RFS

NM-LCF12-C03

N Male Connector for 1/2" 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.

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
- Superior 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) and CRoHS (China) compliant i.e. can be used on a global basis

Technical features

GENERAL SPECIFICATIONS

Cable Size	1/2		
Cable Type	Foam Dielectric, Radiating		
Model Series	LCF12-50 Series	ICA12-50 Series	RCF12-50 Series
Connector Interface	N		
Connector Type	OMNI FIT™ Standard		
Sealing Method	O-ring		

TESTING AND ENVIRONMENTAL

Waterproof Level	IP68

MECHANICAL SPECIFICATIONS

Plating Outer/Inner	Trimetal/Silver
Length	56.5mm (2.23in)
Outer Diameter	22mm (0.87in)
Inner Contact Attachment	Spring Finger
Outer Contact Attachment	Spring C-Ring

ELECTRICAL SPECIFICATIONS

Nominal Impedance	50 ohms	
3rd Order IM Product @ 2x20 Watts	-157 ; typical -160	
Maximum Frequency	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
3.7 < f ≤ 5.0 GHz	1.15	23.1
5.0 < f ≤ 6.0 GHz	1.25	19.1

ACCESSORIES

Trimming Tool	TRIM-SET-L12-C02
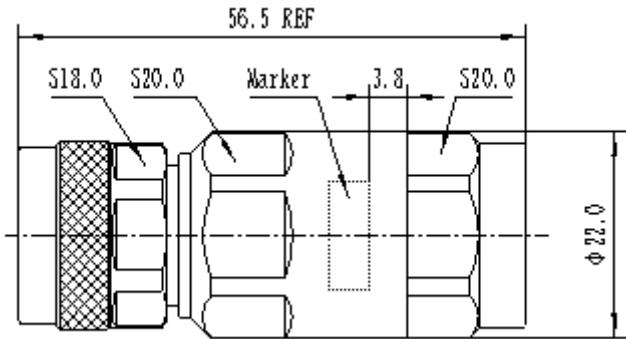
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