

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. FEATURES / 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



NM-LCF12-C03

Technical features

GENERAL SPECIFICATIONS

Transmission Line Type		Coaxial Cable			
Cable Size		1/2			
Cable Type		Foam Dielectric		Radiating	
Model Series		LCF12-50 Series	ICA12-50 Series	RCF12-50 Series	
Connector Interface		Ν			
Connector Type		OMNI FIT™ Standard			
Sealing Method		O-ring			
Gender		Male			
ELECTRICAL SPECIFICATIONS					
Nominal Impedance, ohms	Ohm	50			
3rd Order IM Product @ 2x20 Watts	dBc	-157 ; typical -160			
Maximum Frequency	GHz	6.0			
VSWR, Return Loss	VSWR (dB)	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)			
MECHANICAL SPECIFICATIONS					
Plating Outer/Inner		Trimetal/Silver			
Length	mm (in)	56.5 (2.23)			
Outer Diameter	mm (in)	22 (0.87)			
Weight	kg (lb)	0.077 (0.17)			
		× •			

NM-LCF12-C03

Inner Contact Attachment

Outer Contact Attachment

REV DATE : 07.Oct.2018

Spring Finger

Spring C-Ring



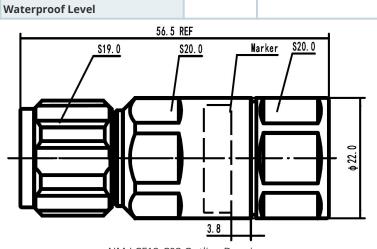
PRODUCT DATASHEET NM-LCF12-C03

N Male Connector for 1/2" Coaxial Cable, OMNI FIT™ standard, O-ring sealing



IP68

TESTING AND ENVIRONMENTAL



NM-LCF12-C03 Outline Drawing

External Document Links Installation Instruction Notes

REV DATE : 07.Oct.2018