



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



NF-LCF12-C03

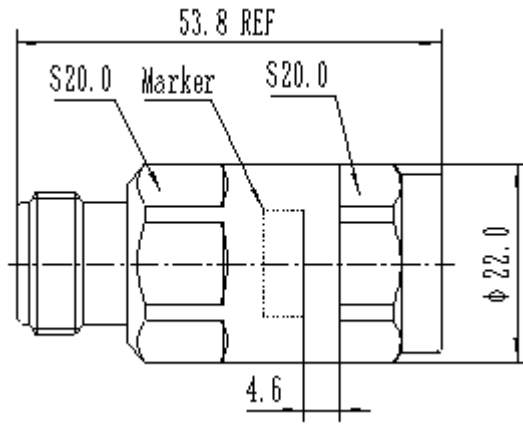
**Technical features**

<b>GENERAL SPECIFICATIONS</b>			
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		N	
Connector Type		OMNI FIT™ Standard	
Sealing Method		O-ring	
Gender		Female	
<b>ELECTRICAL SPECIFICATIONS</b>			
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)	
<b>MECHANICAL SPECIFICATIONS</b>			
Plating Outer/Inner		Trimetal/Silver	
Length	mm (in)	55.3 (2.2)	
Outer Diameter	mm (in)	22 (0.87)	
Inner Contact Attachment		Spring Finger	
Outer Contact Attachment		Spring C-Ring	
<b>ACCESSORIES</b>			
Wrench size front	mm (in)	20 (13/16)	
Wrench size rear	mm (in)	20 (13/16)	
Trimming Tool		TRIM-SET-L12-C02	



**TESTING AND ENVIRONMENTAL**

Waterproof Level		IP68
------------------	--	------



NF-LCF12-C03 Outline drawing

**External Document Links**

[Installation Instruction](#)

**Notes**