

## PRODUCT DATASHEET

N Male Connector for 1-5/8" Coaxial Cable, OMNI FIT™ Premium,

Straight, O-Ring and compression sealing

OMNI FIT<sup>™</sup> 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 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. Multifunctional, self-lubricating HighTech polymer assembly locks on cable corrugation, avoids electrochemical potential differences and compression-fits to the jacket. 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<sup>™</sup> 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
- Unique NiTin 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**

## **GENERAL SPECIFICATIONS**

	Coaxial Cable
	1-5/8
	Foam Dielectric
	LCF158-50 Series, RCF158-50 Series
	Ν
	OMNI FIT™ PREMIUM Straight
	O-Ring + 360° Compression
	Male
Ohm	50
dBc	-156 ; typical -162
GHz	2.75
VSWR (dB)	$0 < f \le 1.0 \text{ GHz: } 1.02 \text{ (40)}$ $1.0 < f \le 2.2 \text{ GHz: } 1.03 \text{ (36.6)}$ $2.2 < f \le 2.75 \text{ GHz: } 1.06 \text{ (30.7)}$
	Tri Metal Alloy/Silver
mm (in)	96.8 (3.811)
mm (in)	62.8 (2.472)
	dBc GHz VSWR (dB)

NM-LCF158-E01

**Inner Contact Attachment** 

**Outer Contact Attachment** 

REV : A

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Spring Finger

360° clamping



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ACCESSORIES		
Wrench size front	mm (in)	60
Wrench size rear	mm (in)	60
Poly Hook Spanner	mm (in)	PHS 60-90-5 Ø 60-90 (2.3-3.5) Pin 5 (0.2)
Trimming Tool		TRIM-SET-L114-D01 TRIM-LCF158-D01-A
TESTING AND ENVIRONMENTAL		
Waterproof Level		IP68
External Document Links Installation Instruction		Notes