

PRODUCT DATASHEET

NM-LCF158-E01

N Male Connector for 1-5/8" Coaxial Cable, OMNI FIT™ Premium, Straight, O-Ring and compression sealing

OMNI FIT™ 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™ 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

External Document Links

Notes

Installation Instruction

Technical features

GENERAL SPECIFICATIONS

Transmission Line Type	Coaxial Cable	
Cable Size	1-5/8	
Cable Type	Foam Dielectric	
Model Series	LCF158-50 Series, RCF158-50 Series	
Connector Interface	N	
Connector Type	OMNI FIT™ PREMIUM Straight	
Sealing Method	O-Ring + 360° Compression	
Gender	Male	

ELECTRICAL SPECIFICATIONS

Nominal Impedance, ohms	Ohm	50
3rd Order IM Product @ 2x20 Watts	dBc	-156 ; typical -162
Maximum Frequency	GHz	2.75
VSWR, Return Loss	VSWR (dB)	0 < f ≤ 1.0 GHz: 1.02 (40) 1.0 < f ≤ 2.2 GHz: 1.03 (36.6) 2.2 < f ≤ 2.75 GHz: 1.06 (30.7)

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mm (in)

MECHANICAL SPECIFICATIONS Plating Outer/Inner Tri Metal Alloy/Silver Length mm (in) 96.8 (3.811) **Outer Diameter** 62.8 (2.472) mm (in) **Inner Contact Attachment** Spring Finger **Outer Contact Attachment** 360° clamping **ACCESSORIES** Wrench size front mm (in) 60 Wrench size rear mm (in) 60

TESTING AND ENVIRONMENTAL

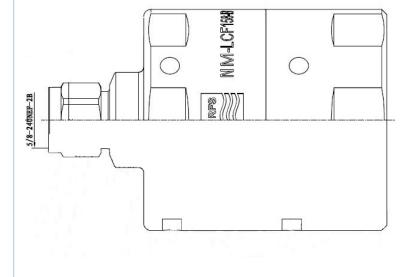
Poly Hook Spanner

Trimming Tool

Waterproof Level IP68

PHS 60-90-5 Ø 60-90 (2.3-3.5) Pin 5 (0.2)
TRIM-SET-L114-D01

TRIM-LCF158-D01-A



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