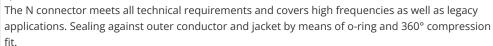


#### PRODUCT DATASHEET

## NM-LCF78-E01

N Male Connector for 7/8" Coaxial Cable, OMNI FIT™ Premium, Straight, O-Ring and 360° 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.



### **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
- Tri metal alloy 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 S	SPECIFIC	ATIONS
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Coaxial Cable		
7/8		
Foam Dielectric Superflexible		
LCF78-50 Series		
N		
OMNI FIT™ PREMIUM Straight		
sealing rubber		
Male		

## **ELECTRICAL SPECIFICATIONS**

Nominal Impedance, ohms	Ohm	50	
3rd Order IM Product @ 2x20 Watts	dBc	-158 ; typical -162	
Maximum Frequency	GHz	6.0	
VSWR, Return Loss	VSWR (dB)	0 < $f \le 1.0$ GHz: $1.02$ (40) 1.0 < $f \le 2.2$ GHz: $1.03$ (37) 2.2 < $f \le 2.7$ GHz: $1.03$ (36) 2.7 < $f \le 3.8$ GHz: $1.07$ (30) 3.8 < $f \le 5.0$ GHz: $1.11$ (26) 5.0 < $f \le 6.0$ GHz: $1.15$ (23)	

NM-LCF78-E01 REV : B REV DATE : 04 Aug 2022 www.rfstechnologies.com



## PRODUCT DATASHEET

# NM-LCF78-E01

N Male Connector for 7/8" Coaxial Cable, OMNI FIT™ Premium, Straight, O-Ring and 360° compression sealing

Plating Outer/Inner		Tri metal alloy / Silver	
Length	mm (in)	77.6 (3.06)	
Outer Diameter	mm (in)	37 (1.46)	
Inner Contact Attachment		Spring Finger	
Outer Contact Attachment		360° clamping	
ACCESSORIES			
Wrench size front	mm (in)	34	
Wrench size rear	mm (in)	34	
Trimming Tool		TRIM-SET-L78-D01, TRIM-LCF78-D01-A	
TESTING AND ENVIRONMENTAL			
Waterproof Level		IP68	

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