



## N Female Connector for 1/2" Coaxial Cable, OMNI FIT™ standard

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. All RFS connectors are fully tested for mechanical and electrical compliance to industry specifications.



OMNI FIT™ Standard Connectors

### FEATURES / BENEFITS

Cost effective two-piece design for safe and easy installation

### Technical Features

#### GENERAL SPECIFICATIONS

Transmission Line Type		Coaxial Cable
Cable Size		1/2"
Cable Type		Foam Dielectric
Model Series		LCF12-50 Series
Connector Interface		N
Connector Type		OMNI FIT™ Standard
Sealing Method		O-ring
Gender		Female

#### ELECTRICAL SPECIFICATIONS

Nominal Impedance	Ohm	50
3rd Order IM Product @ 2x20 Watts	dBc	-159 typical
Maximum Frequency	GHz	6
VSWR, Return Loss	VSWR (dB)	0 < f ≤ 1.0 GHz: 1.030 (36.6) 1.0 < f ≤ 2.7 GHz: 1.040 (34.1) 2.7 < f ≤ 3.7 GHz: 1.080 (28.3)

#### MECHANICAL SPECIFICATIONS

Plating Outer/Inner		Trimetal/Silver
Length	mm (in)	55.4 (2.18)
Outer Diameter	mm (in)	25.9 (1)
Weight	kg (lb)	0.11 (0.24)
Inner Contact Attachment		Basket
Outer Contact Attachment		Spring C-Ring

#### ACCESSORIES

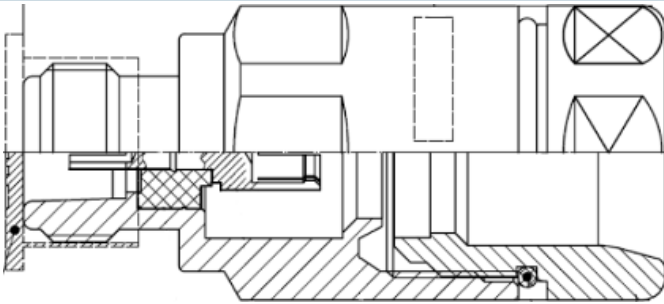
Wrench size front	mm (in)	24 (15/16)
Wrench size rear	mm (in)	24 (15/16)

#### TESTING AND ENVIRONMENTAL

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



## N Female Connector for 1/2" Coaxial Cable, OMNI FIT™ standard



NF-LCF12-C02\_CRing.png

### External Document Links

Application Note  
Installation instruction

### Notes