

FMC0106400-12 DATA SHEET

N Male to N Female Cable LMR-400 Coax with Times Microwave Connectors

The type N male to type N female 12 inch cable using LMR-400 coax, part number FMC0106400-12, from Fairview Microwave is in-stock and ships same day. This Fairview type N to type N cable assembly has a male to female gender configuration with 50 ohm flexible LMR-400 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC0106400-12 type N male to type N female cable assembly operates to 5.8 GHz. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness of better than 90 dB.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other RF cable assembly value added services including connector orientation or clocking, heat shrink booting and labeling are also available. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

Description	Min	Т	ур	Max	ι	Jnits
Frequency Range	DC			5.8		GHz
VSWR				1.35:1		
Velocity of Propagation		8	85			%
RF Shielding	90					dB
Capacitance		23.9	[78.41]		pF/f	t [pF/m]
Inductance		0.06	[0.2]		uH/f	t [uH/m]
DC Resistance Inner Conductor		1.39 [4.56]		Ω/1000ft [Ω/Km]		
DC Resistance Outer Cor	nductor	1.65	[5.41]		Ω/100	0ft [Ω/Km]

Mechanical Specifications

Cable Assembly

Jacket Material

Jacket Diameter

Weight 0.263 lbs [119.29 g]

Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type
Number of Shields
Shield Layer 1
Shield Layer 2

Tinned Copper Aluminum Tape PE, Black 0.405 in [10.29 mm]

Copper Clad Aluminum

LMR-400

50 Ohms

Solid

PE (F)

Configuration:

- N Male
- N Female
- LMR-400

Features:

- Max Frequency 5.8 GHz
- Shielding Effectivity > 90 dB
- 85% Phase Velocity
- Double Shielded
- PE Jacket

Applications:

- General Purpose
- Laboratory Use

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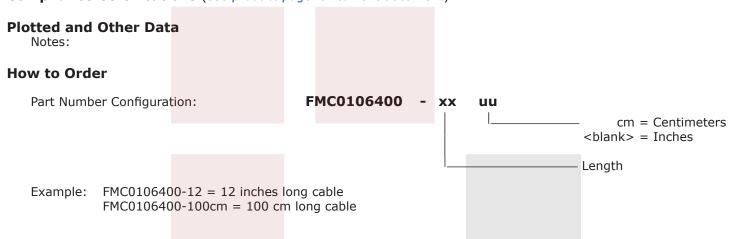




Connectors

Description	Connecto	or 1	Connector 2		
Туре	N Male	:	N Female		
Configuration	Straigh	t	Straight		
Impedance	50 Ohm	ıs	50 Ohms		
Contact Material & Plating	Brass, Go	old	Beryllium Copper, Gold		
Contact Plating Spec.	50μ" Mii	n			
Dielectric Type	PTFE		PTFE		
Outer Cond Material & Plating	Brass, Tri-M	1etal	Brass, Nickel		
Body Material & Plating			Brass, Nickel		
Coupling Nut Material & Plating	Brass, Tri-M	1etal			
vironmental Specification Temperature Operating Range	าร	-40	to +85 deg C		

Compliance Certifications (see product page for current document)



N Male to N Female Cable LMR-400 Coax with Times Microwave Connectors from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: N Male to N Female Cable LMR-400 Coax with Times Microwave Connectors FMC0106400-12

URL:

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.

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