

FMC00438-12 DATA SHEET

Low Loss N Male to N Male Cable LMR-240 Coax in 12 Inch

The type N male to type N male 12 inch cable using LMR-240 coax, part number FMC00438-12, from Fairview Microwave is in-stock and ships same day. This Fairview type N to type N cable assembly has a male to male gender configuration with 50 ohm flexible LMR-240 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC00438-12 type N male to type N male cable assembly operates to 3 GHz. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness of better than 90 dB. General purpose flexible LMR-240 cable assemblies are built using high quality connectors and Times Microwaves cable. These cable assemblies are built using double shielded flexible cable providing excellent shielding greater than 90 dB. These general purpose cables are intended for, lab use, equipment interconnect and anywhere that lower insertion loss and greater shielding effectiveness than standard RG type cable is required.

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	Тур	Max	Units
Frequency Range	DC		3	GHz
VSWR			1.35:1	
Velocity of Propagation		84		%
RF Shielding	90			dB
Capacitance		24.2 [79.4]		pF/ft [pF/m]
Inductance		0.06 [0.2]		uH/ft [uH/m]
DC Resistance Inner Cor	nductor	3.2 [10.5]		Ω/1000ft [Ω/Km]
DC Resistance Outer Cor	nductor	3.89 [12.76]		Ω/1000ft [Ω/Km]

Features:

Configuration:

- Max Frequency 3 GHz
- Shielding Effectivity > 90 dB
- 84% Phase Velocity
- Double Shielded
- PE Jacket

N Male

N Male

• LMR-240

- N Male to N Male
- Times© LMR-240 Flexible Low Loss Coax
- · Heat Shrink Booting
- VoP of 84%
- · Custom lengths available

Applications:

- General Purpose
- Laboratory Use
- General Purpose
- Wireless Communications
- Lab Use
- Equipment Interconnect

Mechanical Specifications

Cable Assembly

Length* 12 in [304.8 mm]
Diameter 0.875 in [22.23 mm]

Cable

Cable Type LMR-240
Impedance 50 Ohms
Inner Conductor Type Solid
Dielectric Type PE (F)
Number of Shields 2
Shield Layer 1 Tinned Copper
Shield Layer 2 Aluminum Tape

Jacket MaterialPE, BlackJacket Diameter0.24 in [6.1 mm]

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Connectors

Connector 1	Connector 2	
N Male	N Male	
Straight	Straight	
50 Ohms	50 Ohms	
Beryllium Copper, Gold	Beryllium Copper, Gold	
PTFE	PTFE	
Brass, Tri-Metal	Brass, Tri-Metal	
Brass, Tri-Metal	Brass, Tri-Metal	
	N Male Straight 50 Ohms Beryllium Copper, Gold PTFE Brass, Tri-Metal	

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

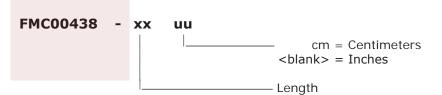
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:



Example: FMC00438-12 = 12 inches long cable

FMC00438-100cm = 100 cm long cable

Low Loss N Male to N Male Cable LMR-240 Coax in 12 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: Low Loss N Male to N Male Cable LMR-240 Coax in 12 Inch FMC00438-12

URL: https://www.fairviewmicrowave.com/low-loss-n-male-n-male-cable-lmr240-coax-fmc00438-12-p.aspx

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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