

FMC00440-06 DATA SHEET

Low Loss N Male to SMA Male Cable LMR-240-UF Coax in 6 Inch

The type N male to SMA male 6 inch cable using LMR-240-UF coax, part number FMC00440-06, from Fairview Microwave is in-stock and ships same day. This Fairview type N to SMA cable assembly has a male to male gender configuration with 50 ohm flexible LMR-240-UF coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC00440-06 type N male to SMA male cable assembly operates to 4 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	Inits
Frequency Range	DC			4		GHz
VSWR				1.35:1		
Velocity of Propagation		84			%	
RF Shielding	90					dB
Capacitance		24.2	[79.4]]	pF/f	t [pF/m]
Inductance	0.06 [0.2]			uH/ft [uH/m]		
DC Resistance Inner Conductor		4.28 [14.04]		Ω/1000ft [Ω/Km]		
DC Resistance Outer Conductor		3.89 [12.76]		Ω/1000ft [Ω/Km]		

Mechanical Specifications

Cable Assembly

Length* Diameter 6 in [152.4 mm] 0.89 in [22.61 mm]

Cable

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

LMR-240-UF 50 Ohms Stranded Copper PE (F) 2 Tinned Copper

Tinned Copper Aluminum Tape PE, Black

0.24 in [6.1 mm]



Configuration:

- N Male
- SMA Male
- LMR-240-UF

Features:

- Max Frequency 4 GHz
- Shielding Effectivity > 90 dB
- 84% Phase Velocity
- Double Shielded
- PE Jacket
- N Male to N Male
- Times© LMR-240-UF 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

Fairview Microwave 301 Leora Ln., Suite 100 Lewisville, TX 75056 Tel: 1-800-715-4396 / (972) 649-6678 Fax: (972) 649-6689 www.fairviewmicrowave.com

sales@fairviewmicrowave.com





Connectors

Description	Connector 1	Connector 2		
Туре	N Male	SMA Male		
Impedance	50 Ohms	50 Ohms		
Contact Material & Plating	Brass, Gold	Beryllium Copper, Gold		
Dielectric Type	PTFE	PTFE		
Body Material & Plating	Brass, Tri-Metal	Brass		
Hex Size		5/16 In.		

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

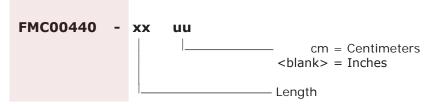
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:



Example: FMC00440-12 = 12 inches long cable

FMC00440-100cm = 100 cm long cable

Low Loss N Male to SMA Male Cable LMR-240-UF Coax in 6 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 SMA Male Cable LMR-240-UF Coax in 6 Inch FMC00440-06

URL: https://www.fairviewmicrowave.com/low-loss-n-male-sma-male-cable-lmr240uf-coax-fmc00440-06-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.

301 Leora Ln., Suite 100, Lewisville, TX 75056 | Tel: 1-800-715-4396 / (972) 649-6678 / Fax: (972) 649-6689

Copyright © 2019

REV 1.1 Page 2 of 3





