

Low Loss N Male to SMA Male Cable LMR-400 Coax in 48 Inch with Times Microwave Connectors with LF Solder

The type N male to SMA male 48 inch cable using LMR-400 coax, part number FMC0102400LF-48, 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-400 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC0102400LF-48 type N male to SMA male cable assembly operates to 6 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	Typ	Max	Units
Frequency Range	DC		6	GHz
VSWR			1.35:1	
Velocity of Propagation		85		%
RF Shielding	90			dB
Capacitance		23.9 [78.41]		pF/ft [pF/m]
Inductance		0.06 [0.2]		uH/ft [uH/m]
DC Resistance Inner Conductor		1.39 [4.56]		Ω /1000ft [Ω /Km]
DC Resistance Outer Conductor		1.65 [5.41]		Ω /1000ft [Ω /Km]

Mechanical Specifications

Cable Assembly

Length*	48 in [121.92 cm]
Weight	0.448 lbs [203.21 g]

Cable

Cable Type	LMR-400
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Aluminum
Dielectric Type	PE (F)
Number of Shields	2
Shield Layer 1	Tinned Copper
Shield Layer 2	Aluminum Tape
Jacket Material	PE, Black
Jacket Diameter	0.405 in [10.29 mm]



Configuration:

- N Male
- SMA Male
- LMR-400

Features:

- Max Frequency 6 GHz
- Shielding Effectivity > 90 dB
- 85% Phase Velocity
- Double Shielded
- PE Jacket

Applications:

- General Purpose
- Laboratory Use

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Connectors

Description	Connector 1	Connector 2
Type	N Male	SMA Male
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Brass, Gold
Contact Plating Spec.	50µ" Min	50µ" Minimum
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plating	Brass, Tri-Metal	
Body Material & Plating		Brass, Nickel
Coupling Nut Material & Plating	Brass, Tri-Metal	
Hex Size	13/16 inch	5/16 inch

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: **FMC0102400LF - xx uu**

cm = Centimeters
 <blank> = Inches

Length

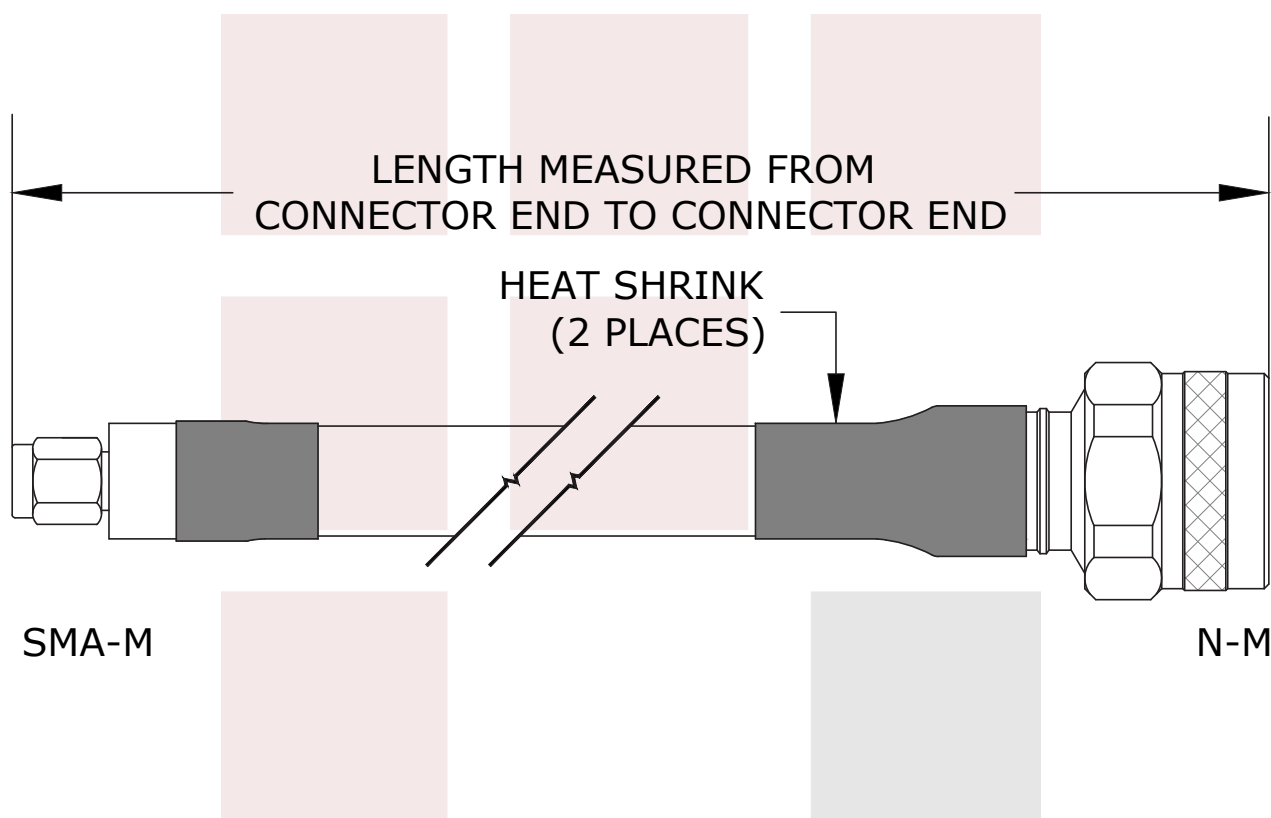
Example: FMC0102400LF-12 = 12 inches long cable
 FMC0102400LF-100cm = 100 cm long cable

Low Loss N Male to SMA Male Cable LMR-400 Coax in 48 Inch with Times Microwave Connectors with LF Solder 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: [Low Loss N Male to SMA Male Cable LMR-400 Coax in 48 Inch with Times Microwave Connectors with LF Solder FMC0102400LF-48](#)

URL: <https://www.fairviewmicrowave.com/standard-n-male-sma-male-cable-lmr400-coax-fmc0102400lf-48-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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TITLE Low Loss N Male to SMA Male Cable LMR-400 Coax in 48 Inch with Times Microwave Connectors with LF Solder		DWG NO FMC0102400LF		CAGE CODE 3FKR5	
		CAD FILE 101314	SHEET	SCALE N/A	SIZE A 5568