

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

The SMA male to type N female 48 inch cable using LMR-400 coax, part number FMC0206401LF-48, from Fairview Microwave is in-stock and ships same day. This Fairview SMA 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 FMC0206401LF-48 SMA male to type N female cable assembly operates to 2.5 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		2.5	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]

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:

- SMA Male
- N Female
- LMR-400

Features:

- Max Frequency 2.5 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	SMA Male	N Female
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Spec.	50µ" Min	
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plating		Brass, Nickel
Body Material & Plating	Brass, Nickel	Brass, Nickel
Hex Size	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: **FMC0206401LF - xx uu**

cm = Centimeters
 <blank> = Inches

Length

Example: FMC0206401LF-12 = 12 inches long cable
 FMC0206401LF-100cm = 100 cm long cable

Low Loss SMA Male to N Female 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 SMA Male to N Female Cable LMR-400 Coax in 48 Inch with Times Microwave Connectors with LF Solder FMC0206401LF-48](#)

URL: <https://www.fairviewmicrowave.com/sma-male-n-female-cable-lmr400-coax-fmc0206401lf-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.

REVISIONS			
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Fairview Microwave an INFINITE brand TITLE Low Loss SMA Male to N Female Cable LMR-400 Coax in 48 Inch with Times Microwave Connectors with LF Solder	UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS <table><thead><tr><th colspan="2">TOLERANCES:</th><th colspan="2">CABLE LENGTH (L) TOLERANCES:</th></tr></thead><tbody><tr><td>.X = ±.2 [5.08]</td><td>FRACTIONS ± 1/32</td><td>L ≤ 12 [305] = +1 [25] / -0</td><td></td></tr><tr><td>.XX = ±.02 [51]</td><td></td><td>12 [305] < L ≤ 60 [1524] = +2 [51] / -0</td><td></td></tr><tr><td>.XXX = ±.005 [13]</td><td>ANGLES ± 1°</td><td>60 [1524] < L ≤ 120 [3048] = +4 [102] / -0</td><td></td></tr><tr><td></td><td></td><td>120 [3048] < L ≤ 300 [7620] = +6 [152] / -0</td><td></td></tr><tr><td></td><td></td><td>300 [7620] < L = +5%L / -0</td><td></td></tr></tbody></table> ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. <table><tr><td>SIZE</td><td>CAGE CODE</td><td>DRAWN BY</td><td>ITEM NO.</td><td>REV</td></tr><tr><td>A</td><td>3FKR5</td><td>K.DANG</td><td>FMC0206401LF</td><td>A</td></tr></table>	TOLERANCES:		CABLE LENGTH (L) TOLERANCES:		.X = ±.2 [5.08]	FRACTIONS ± 1/32	L ≤ 12 [305] = +1 [25] / -0		.XX = ±.02 [51]		12 [305] < L ≤ 60 [1524] = +2 [51] / -0		.XXX = ±.005 [13]	ANGLES ± 1°	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0				120 [3048] < L ≤ 300 [7620] = +6 [152] / -0				300 [7620] < L = +5%L / -0		SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV	A	3FKR5	K.DANG	FMC0206401LF	A	THIRD-ANGLE PROJECTION THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED. <table><tr><td>SHEET</td><td>1</td><td>OF</td><td>1</td></tr><tr><td colspan="2">SCALE</td><td colspan="2">N/A</td></tr></table>	SHEET	1	OF	1	SCALE		N/A	
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