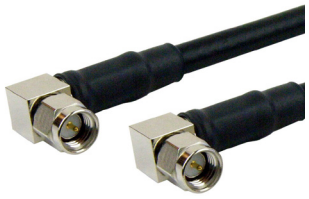
Fairview Microwave
an INFINITE brand

FMC0404240LF-48
DATA SHEET

Low Loss RA SMA Male to RA SMA Male Cable LMR-240 Coax in 48 Inch with Times Microwave Connectors with LF Solder



The RA SMA male to RA SMA male 48 inch cable using LMR-240 coax, part number FMC0404240LF-48, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA 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 FMC0404240LF-48 SMA male to SMA male cable assembly operates to 6 GHz. The right angle SMA interfaces on the LMR-240 cable allow for easier connections in tight spaces. 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		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 Conductor		3.2 [10.5]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		3.89 [12.76]		Ω/1000ft [Ω/Km]

Mechanical Specifications

Cable Assembly

Length*	48 in [121.92 cm]

Cable

Cable Type	LMR-240
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Number of Shields	2
Shield Layer 1	Tinned Copper
Shield Layer 2	Aluminum Tape
Jacket Material	PE, Black
Jacket Diameter	0.24 in [6.1 mm]

Configuration:

- SMA Male Right Angle
- SMA Male Right Angle
- LMR-240

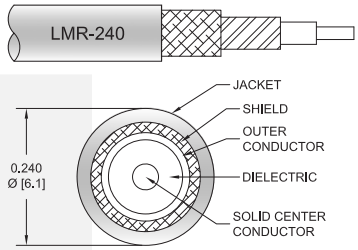
Features:

- Max Frequency 6 GHz
- Shielding Effectivity > 90 dB
- 84% Phase Velocity
- Double Shielded
- PE Jacket

Applications:

- General Purpose
- Laboratory Use

Cable Diagram:



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Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
Configuration	Right Angle	Right Angle
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Phosphor Bronze, Gold	Phosphor Bronze, Gold
Contact Plating Spec.	MIL-G-45204	MIL-G-45204
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Nickel	Brass, Nickel
Body Plating Spec.	QQ-N-290	QQ-N-290

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: **FMC0404240LF - xx uu**

uu: cm = Centimeters, <blank> = Inches

xx: Length

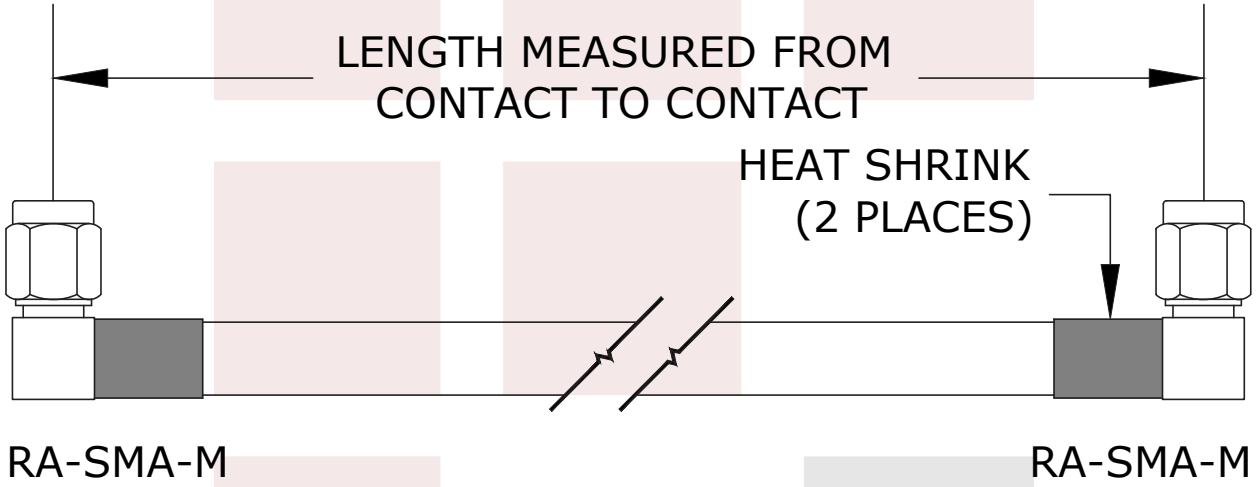
Example: FMC0404240LF-12 = 12 inches long cable
FMC0404240LF-100cm = 100 cm long cable

Low Loss RA SMA Male to RA SMA Male Cable LMR-240 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 RA SMA Male to RA SMA Male Cable LMR-240 Coax in 48 Inch with Times Microwave Connectors with LF Solder FMC0404240LF-48

URL: https://www.fairviewmicrowave.com/standard-ra-sma-male-ra-sma-male-cable-lmr240-coax-fmc0404240lf-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.



FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM	NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].				
TITLE Low Loss RA SMA Male to RA SMA Male Cable LMR-240 Coax in 48 Inch with Times Microwave Connectors with LF Solder	DWG NO FMC0404240LF		CAGE CODE 3FKR5		
CAD FILE 102114	SHEET	SCALE N/A	SIZE A	5568	

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