

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

The SMA male to SMA male 48 inch cable using LMR-240-UF coax, part number FMC0202245LF-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-UF coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC0202245LF-48 SMA male to SMA male cable assembly operates to 6 GHz.

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			6		GHz
VSWR				1.35:1		
Velocity of Propagation		8	34			%
RF Shielding	90					dB
Capacitance		24.2	[79.4]]	pF/f	t [pF/m]
Inductance		0.06	[0.2]		uH/f	t [uH/m]
DC Resistance Inner Cor	ductor	4.28	[14.04]]	Ω/100	0ft [Ω/Km]
DC Resistance Outer Conductor		3.89	[12.76]	Ω/100	0ft [Ω/Km]

FMC0202245LF-48 DATA SHEET



Configuration:

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

Features:

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

Applications:

- General Purpose
- Laboratory Use

Mechanical Specifications

Cable Assembly

Jacket Diameter

Length* Weight 48 in [121.92 cm] 0.16774 lbs [76.09 g]

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

50 Ohms Solid Copper PE (F) 1 Tinned Copper Aluminum Tape PE, Black

0.24 in [6.1 mm]

LMR-240-UF

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Connectors

Description	Connector 1	Connector 2		
Туре	SMA Male	SMA Male		
Configuration	Straight	Straight		
Impedance	50 Ohms	50 Ohms		
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold		
Dielectric Type	PTFE	PTFE		
Body Material & Plating	Stainless Steel	Stainless Steel		
Hex Size	5/16 In.	5/16 In.		

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

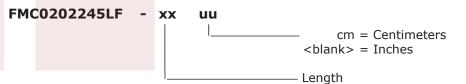
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:



Example: FMC0202245LF-12 = 12 inches long cable

FMC0202245LF-100cm = 100 cm long cable

Low Loss SMA Male to SMA Male Cable LMR-240-UF 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 SMA Male Cable LMR-240-UF Coax in 48 Inch with Times Microwave Connectors with LF Solder FMC0202245LF-48

URL: https://www.fairviewmicrowave.com/standard-sma-male-sma-male-cable-lmr240uf-coax-fmc0202245lf-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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