

FMCA1967LF-48 DATA SHEET

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

The SMA male to BNC male 48 inch cable using LMR-400 coax, part number FMCA1967LF-48, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to BNC 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 FMCA1967LF-48 SMA male to BNC male cable assembly operates to 4 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	U	Inits
Frequency Range	DC			4		GHz
VSWR				1.5:1		
Velocity of Propagation		8	35			%
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 Cor	nductor	1.39	[4.56]		Ω/100	Oft [Ω/Km]
DC Resistance Outer Cor	nductor	1.65	[5.41]		Ω/100	Oft [Ω/Km]

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	4	GHz
Insertion Loss (Max.)	0.11	0.18	0.25	0.36	0.74	dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1*SQRT(FGHz) dB per connector.

Mechanical Specifications

Cable Assembly

Length* 48 in [121.92 cm]

Cable

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

LMR-400 50 Ohms

Solid Copper Clad Aluminum

PE (F) 1

Tinned Copper Aluminum Tape



Configuration:

- SMA Male
- BNC Male
- LMR-400

Features:

- Max Frequency 4 GHz
- Shielding Effectivity > 90 dB
- 85% Phase Velocity
- PE Jacket

Applications:

- General Purpose
- Laboratory Use

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Jacket Material Jacket Diameter PE, Black 0.405 in [10.29 mm]

Connectors

Description	Connector 1	Connector 2			
Туре	SMA Male	BNC Male			
Impedance	50 Ohms	50 Ohms			
Contact Material & Plating	Brass, Gold	Brass, Nickel			
Contact Plating Spec.	50μ" Min				
Dielectric Type	PTFE	PTFE			
Body Material & Plating	Brass, Tri-Meta	l Brass, Tri-Metal			
Coupling Nut Material & Plating		Brass, Tri-Metal			

Environmental Specifications

Temperature

Operating Range

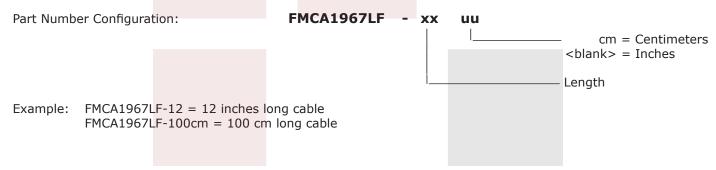
-40 to +85 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order



Low Loss SMA Male to BNC 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 SMA Male to BNC Male Cable LMR-400 Coax in 48 Inch with Times Microwave Connectors with LF Solder FMCA1967LF-48

URL: https://www.fairviewmicrowave.com/sma-male-bnc-male-cable-lmr400-coax-fmca1967lf-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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