

N Male to BNC Male Cable LMR-400-UF Coax in 48 Inch with Times Microwave Connectors with LF Solder

The type N male to BNC male 48 inch cable using LMR-400-UF coax, part number FMCA1837LF-48, from Fairview Microwave is in-stock and ships same day. This Fairview type N to BNC cable assembly has a male to male gender configuration with 50 ohm flexible LMR-400-UF coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA1837LF-48 type N 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	Typ	Max	Units
Frequency Range	DC		4	GHz
VSWR			1.5:1	
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		1.07 [3.51]		Ω /1000ft [Ω /Km]
DC Resistance Outer Conductor		1.65 [5.41]		Ω /1000ft [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.)	0.19	0.24	0.31	0.4	0.71	dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax used in this assembly. Insertion Loss is estimated as $0.1 \cdot \sqrt{\text{QRT}}(\text{FGHz})$ dB for the BNC connector and 0.1 dB for the N connector.

Mechanical Specifications

Cable Assembly

Length* 48 in [121.92 cm]

Cable

Cable Type LMR-400-UF
 Impedance 50 Ohms
 Inner Conductor Type Stranded
 Inner Conductor Material and Plating Copper
 Dielectric Type PE (F)
 Number of Shields 1
 Shield Layer 1 Tinned Copper



Configuration:

- N Male
- BNC Male
- LMR-400-UF

Features:

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

Applications:

- General Purpose
- Laboratory Use

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Shield Layer 2 Aluminum Tape
Jacket Material PE, Black
Jacket Diameter 0.405 in [10.29 mm]

Connectors

Description	Connector 1	Connector 2
Type	N 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-Metal	Brass, Nickel
Coupling Nut Material & Plating	Brass, Tri-Metal	Brass, Nickel
Hex Size	13/16 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: **FMCA1837LF - xx uu**

cm = Centimeters
<blank> = Inches
Length

Example: FMCA1837LF-12 = 12 inches long cable
FMCA1837LF-100cm = 100 cm long cable

N Male to BNC Male Cable LMR-400-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: [N Male to BNC Male Cable LMR-400-UF Coax in 48 Inch with Times Microwave Connectors with LF Solder FMCA1837LF-48](#)

URL: <https://www.fairviewmicrowave.com/n-male-bnc-male-cable-lmr400uf-coax-fmca1837lf-48-p.aspx>

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