

N Male to BNC Male Cable LMR-400-UF Coax in 60 Inch with Times Microwave Connectors with LF Solder

The type N male to BNC male 60 inch cable using LMR-400-UF coax, part number FMCA1837LF-60, 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-60 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.) | 0.2 | 0.27 | 0.34 | 0.45 | 0.82 | 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 $0.1 \times \sqrt{\text{F}} \text{ (GHz)}$ dB for the BNC connector and 0.1 dB for the N connector.

Mechanical Specifications

Cable Assembly

Length* 60 in [152.4 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

Fairview Microwave
 301 Leora Ln., Suite 100
 Lewisville, TX 75056
 Tel: 1-800-715-4396 / (972) 649-6678
 Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Shield Layer 2
 Jacket Material
 Jacket Diameter

Aluminum Tape
 PE, Black
 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 60 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 60 Inch with Times Microwave Connectors with LF Solder FMCA1837LF-60](#)

URL: <https://www.fairviewmicrowave.com/n-male-bnc-male-cable-lmr400uf-coax-fmca1837lf-60-p.aspx>

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