

Low Loss SMA Male to BNC Male Cable LMR-240 Coax with Times Microwave Connectors with LF Solder

The SMA male to BNC male cable using LMR-240 coax, part number FMC0208240LF, 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-240 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC0208240LF SMA male to BNC male cable assembly operates to 2.5 GHz. 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 | | 2.5 | 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] | | $\Omega/1000\text{ft}$ [Ω/Km] |
| DC Resistance Outer Conductor | | 3.89 [12.76] | | $\Omega/1000\text{ft}$ [Ω/Km] |

Mechanical Specifications

Cable Assembly

Length* 0 in [0 mm]

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
- BNC Male
- LMR-240

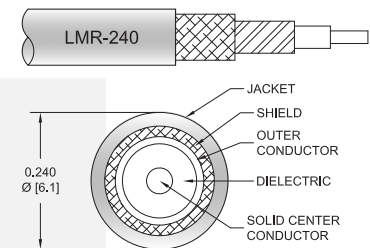
Features:

- Max Frequency 2.5 GHz
- Shielding Effectivity > 90 dB
- 84% Phase Velocity
- Double Shielded
- PE Jacket

Applications:

- General Purpose
- Laboratory Use

Cable Diagram:



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

Connectors

| Description | Connector 1 | Connector 2 |
|---------------------------------|------------------------|------------------|
| Type | SMA Male | BNC Male |
| Configuration | Straight | Straight |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material & Plating | Beryllium Copper, Gold | Brass, Gold |
| Dielectric Type | PTFE | PTFE |
| Body Material & Plating | Brass, Tri-Metal | Brass, Tri-Metal |
| Coupling Nut Material & Plating | Brass, Tri-Metal | |
| Hex Size | 5/16 inch | |

Environmental Specifications
Temperature

Operating Range

-65 to +85 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMC0208240LF - xx uu

 cm = Centimeters
 <blank> = Inches

Length

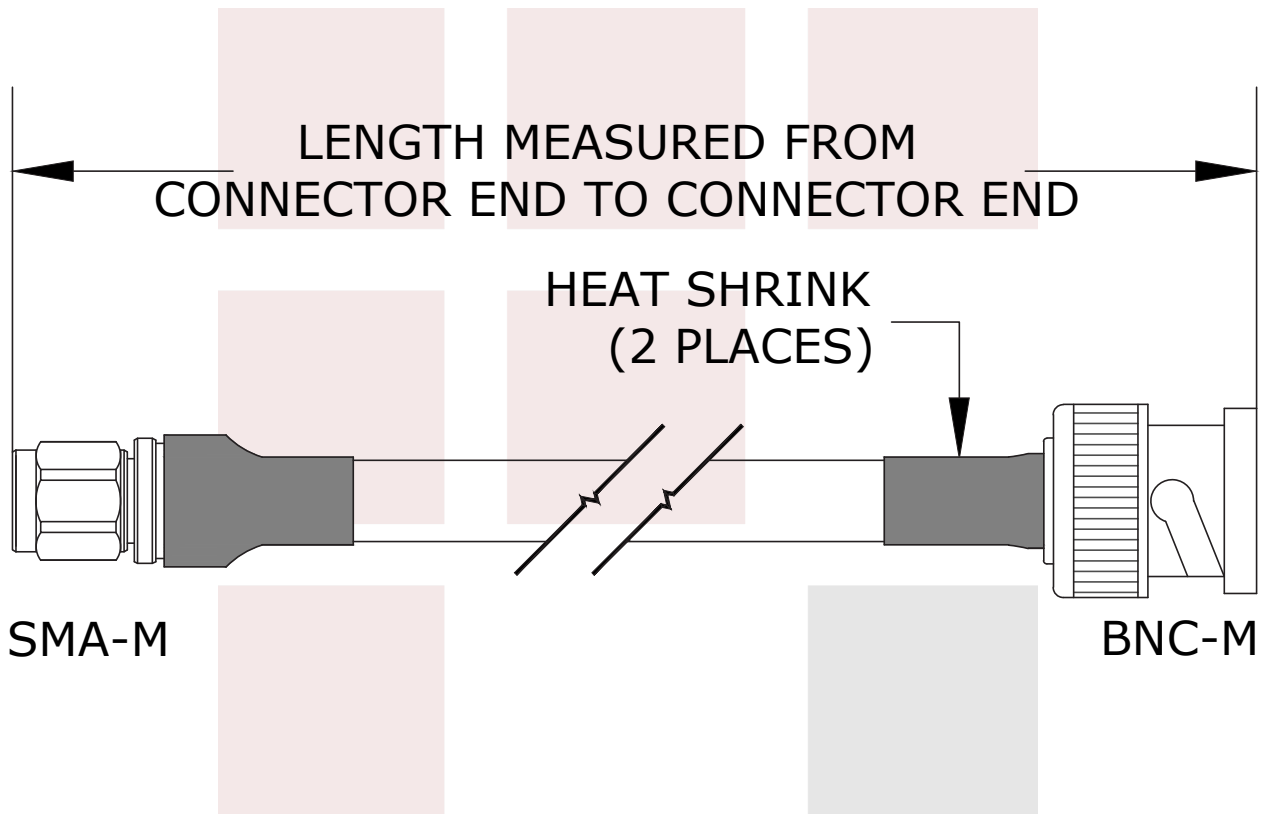
 Example: FMC0208240LF-12 = 12 inches long cable
 FMC0208240LF-100cm = 100 cm long cable

Low Loss SMA Male to BNC Male Cable LMR-240 Coax 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-240 Coax with Times Microwave Connectors with LF Solder FMC0208240LF](#)

URL: <https://www.fairviewmicrowave.com/standard-sma-male-bnc-male-cable-lmr240-coax-fmc0208240lf-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 SMA Male to BNC Male Cable LMR-240 Coax with Times Microwave Connectors with LF Solder | | DWG NO FMC0208240LF | | CAGE CODE 3FKR5 | |
| CAD FILE | 101514 | SHEET | SCALE | N/A | SIZE A 5568 |