

## Low Loss SMA Male to BNC Male Cable LMR-240 Coax in 36 Inch with Times Microwave Connectors with LF Solder

The SMA male to BNC male 36 inch cable using LMR-240 coax, part number FMC0208240LF-36, 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-36 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]		$\Omega/1000\text{ft}$ [ $\Omega/\text{Km}$ ]
DC Resistance Outer Conductor		3.89 [12.76]		$\Omega/1000\text{ft}$ [ $\Omega/\text{Km}$ ]

### Mechanical Specifications

#### Cable Assembly

Length\* 36 in [914.4 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

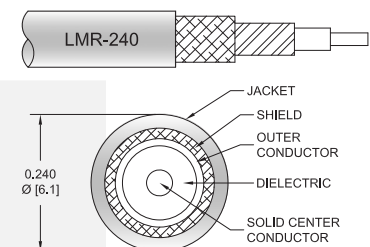
### Features:

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

### Applications:

- General Purpose
- Laboratory Use

### Cable Diagram:



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**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

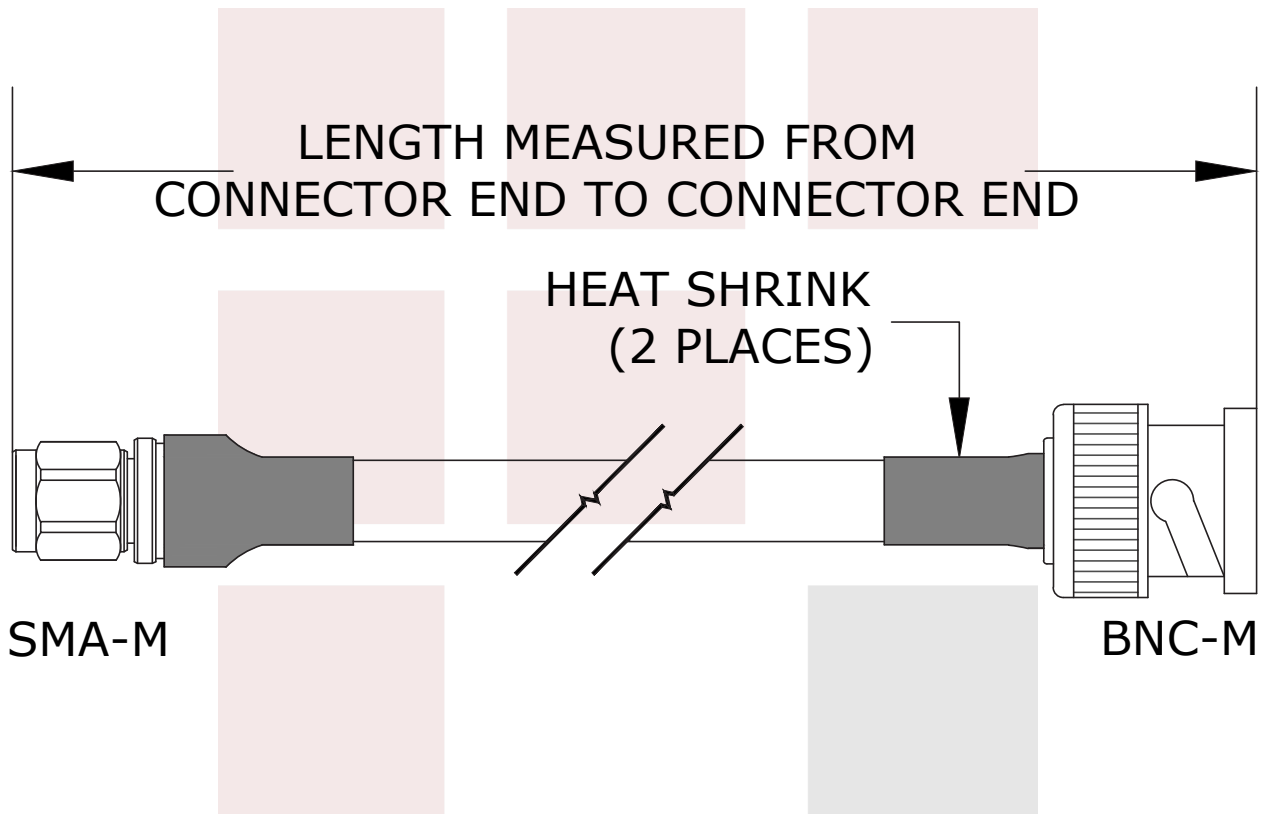
 Example: FMC0208240LF-12 = 12 inches long cable  
 FMC0208240LF-100cm = 100 cm long cable

Low Loss SMA Male to BNC Male Cable LMR-240 Coax in 36 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-240 Coax in 36 Inch with Times Microwave Connectors with LF Solder FMC0208240LF-36](#)

URL: <https://www.fairviewmicrowave.com/standard-sma-male-bnc-male-cable-lmr240-coax-fmc0208240lf-36-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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TITLE Low Loss SMA Male to BNC Male Cable LMR-240 Coax in 36 Inch with Times Microwave Connectors with LF Solder		DWG NO FMC0208240LF		CAGE CODE 3FKR5	
CAD FILE	101514	SHEET	SCALE	N/A	SIZE A 5568