

## BNC Male to BNC Male Cable LMR-240 Coax in 6 Inch

### Electrical Specifications

| Description                   | Min | Typ          | Max    | Units                            |
|-------------------------------|-----|--------------|--------|----------------------------------|
| Frequency Range               | DC  |              | 4      | 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]   |        | $\Omega$ /1000ft [ $\Omega$ /Km] |
| DC Resistance Outer Conductor |     | 3.89 [12.76] |        | $\Omega$ /1000ft [ $\Omega$ /Km] |

### Mechanical Specifications

#### Cable Assembly

|                 |                    |
|-----------------|--------------------|
| Length          | 6 in [152.4 mm]    |
| Diameter        | 0.58 in [14.73 mm] |
| Cable Color     | Black              |
| Connection Type | In-Series          |

#### 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                    | 1                |
| Shield Layer 1                       | Tinned Copper    |
| Shield Layer 2                       | Aluminum Tape    |
| Jacket Material                      | PE               |
| Jacket Diameter                      | 0.24 in [6.1 mm] |

#### Connectors

| Description                | Connector 1      | Connector 2      |
|----------------------------|------------------|------------------|
| Type                       | BNC Male         | BNC Male         |
| Impedance                  | 50 Ohms          | 50 Ohms          |
| Configuration              | Straight         | Straight         |
| Connection Method          | Standard         | Standard         |
| Contact Material & Plating | Brass, Gold      | Brass, Gold      |
| Dielectric Type            | PTFE             | PTFE             |
| Body Material & Plating    | Brass, Tri-Metal | Brass, Tri-Metal |

### Environmental Specifications

#### Temperature

|                 |                  |
|-----------------|------------------|
| Operating Range | -40 to +85 deg C |
|-----------------|------------------|



### Configuration:

- BNC Male
- BNC Male
- LMR-240

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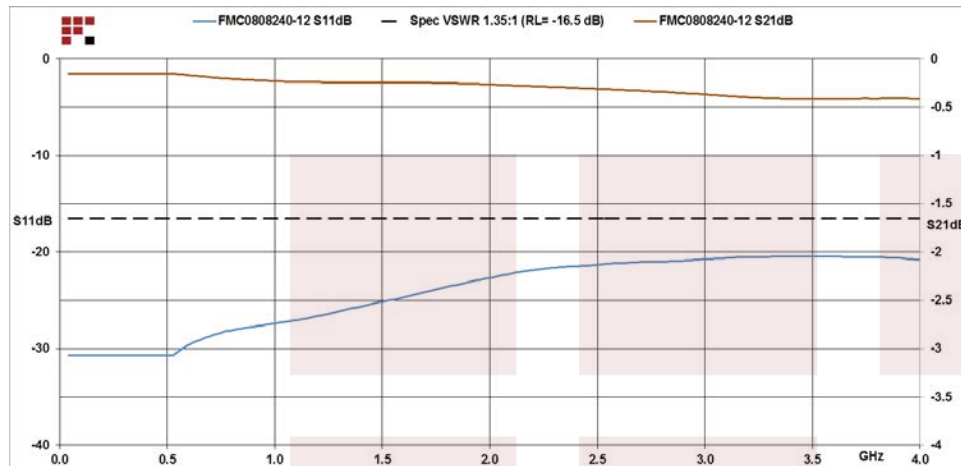
**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

## Plotted and Other Data

Notes:

- Values at +25 °C, sea level

## Typical Performance Data



## How to Order

Part Number Configuration:

**FMC0808240 - xx uu**

cm = Centimeters  
<blank> = Inches

Length

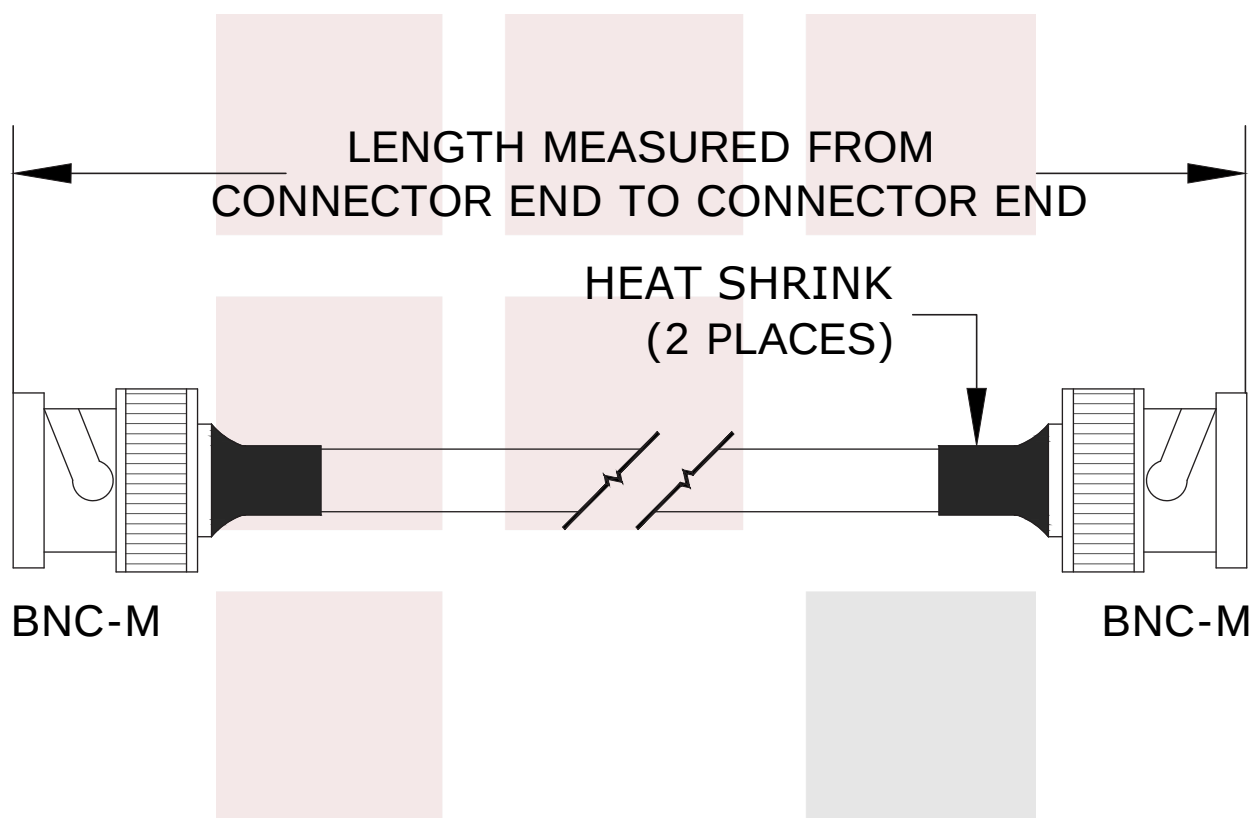
Example: FMC0808240-12 = 12 inches long cable  
FMC0808240-100cm = 100 cm long cable

BNC Male to BNC Male Cable LMR-240 Coax in 6 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [BNC Male to BNC Male Cable LMR-240 Coax in 6 Inch FMC0808240-06](http://www.fairviewmicrowave.com/bnc-male-bnc-male-cable-times-lmr-240-coax-fmc0808240-6-p.aspx)

URL: <http://www.fairviewmicrowave.com/bnc-male-bnc-male-cable-times-lmr-240-coax-fmc0808240-6-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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|-----------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------|------|
| <b>FAIRVIEW MICROWAVE INC.</b><br>ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM |                      | NOTES:<br>1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.<br>2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.<br>3. DIMENSIONS ARE IN INCHES [mm]. |                    |        |      |
| TITLE<br>BNC Male to BNC Male Cable LMR-240 Coax in 6 Inch                  | DWG NO<br>FMC0808240 |                                                                                                                                                                                     | CAGE CODE<br>3FKR5 |        |      |
|                                                                             | CAD FILE 102114      | SHEET                                                                                                                                                                               | SCALE N/A          | SIZE A | 5568 |