

## N Male to N Male Cable LMR-240 Coax in 18 Inch

General purpose flexible LMR-240 cable assemblies are built using high quality connectors and Times Microwave cable. These cable assemblies are built using double shielded flexible cable providing excellent shielding greater than 90 dB. All Cables are 100% Continuity tested and RF testing is available. These General Purpose cables are intended for, lab use, equipment interconnect and anywhere that lower Insertion loss and greater shielding effectiveness than standard RG type cable is required.

### Electrical Specifications

| Description                   | Min | Typ          | Max    | Units                            |
|-------------------------------|-----|--------------|--------|----------------------------------|
| Frequency Range               | DC  |              | 6      | 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 18 in [457.2 mm]  
Diameter 0.875 in [22.23 mm]

Cable Color Black  
Connection Type In-Series

#### Cable

Cable Type LMR-240  
Impedance 50 Ohms  
Inner Conductor Type Solid  
Dielectric Type PE (F)  
Number of Shields 2  
Shield Layer 1 Tinned Copper  
Shield Layer 2 Aluminum Tape  
Jacket Material PE  
Jacket Diameter 0.24 in [6.1 mm]



### Configuration:

- N Male
- N Male
- LMR-240

### Features:

- N Male to N Male
- Times© LMR-240 Flexible Low Loss Coax
- Heat Shrink Booting
- VoP of 84%
- Custom lengths available
- 

### Applications:

- General Purpose
- Wireless Communications
- Lab Use
- Equipment Interconnect

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## Connectors

| Description                        | Connector 1            | Connector 2            |
|------------------------------------|------------------------|------------------------|
| Type                               | N Male                 | N Male                 |
| Impedance                          | 50 Ohms                | 50 Ohms                |
| Configuration                      | Straight               | Straight               |
| Connection Method                  | Standard               | Standard               |
| Contact Material & Plating         | Beryllium Copper, Gold | Beryllium Copper, Gold |
| Dielectric Type                    | PTFE                   | PTFE                   |
| Outer Conductor Material & Plating | Brass, Tri-Metal       | Brass, Tri-Metal       |
| Coupling Nut Material & Plating    | Brass, Tri-Metal       | Brass, Tri-Metal       |
| Hex Size                           | 13/16 inc h            | 13/16 inch             |

## Environmental Specifications

### Temperature

Operating Range -40 to +85 deg C

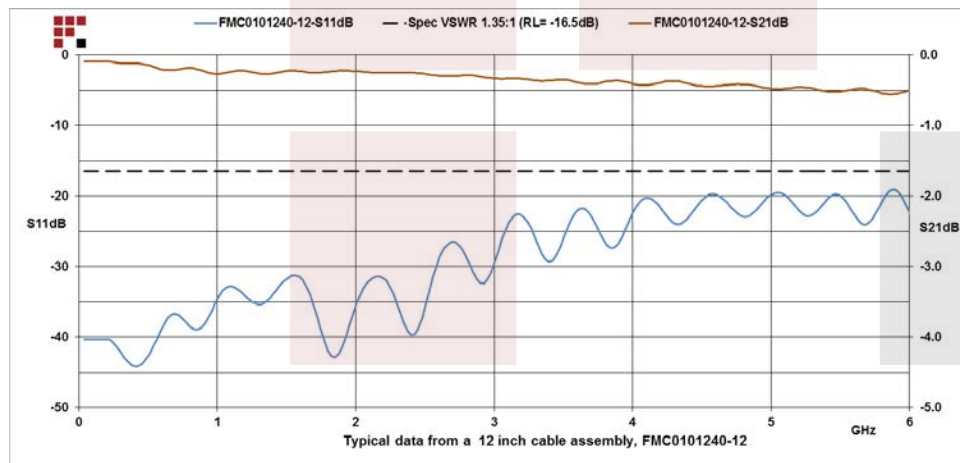
**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

## Plotted and Other Data

Notes:

- Values at +25 °C, sea level

### Typical Performance Data



## How to Order

Part Number Configuration:

**FMC0101240 - xx uu**

cm = Centimeters  
<blank> = Inches  
Length

Example: FMC0101240-12 = 12 inches long cable  
FMC0101240-100cm = 100 cm long cable

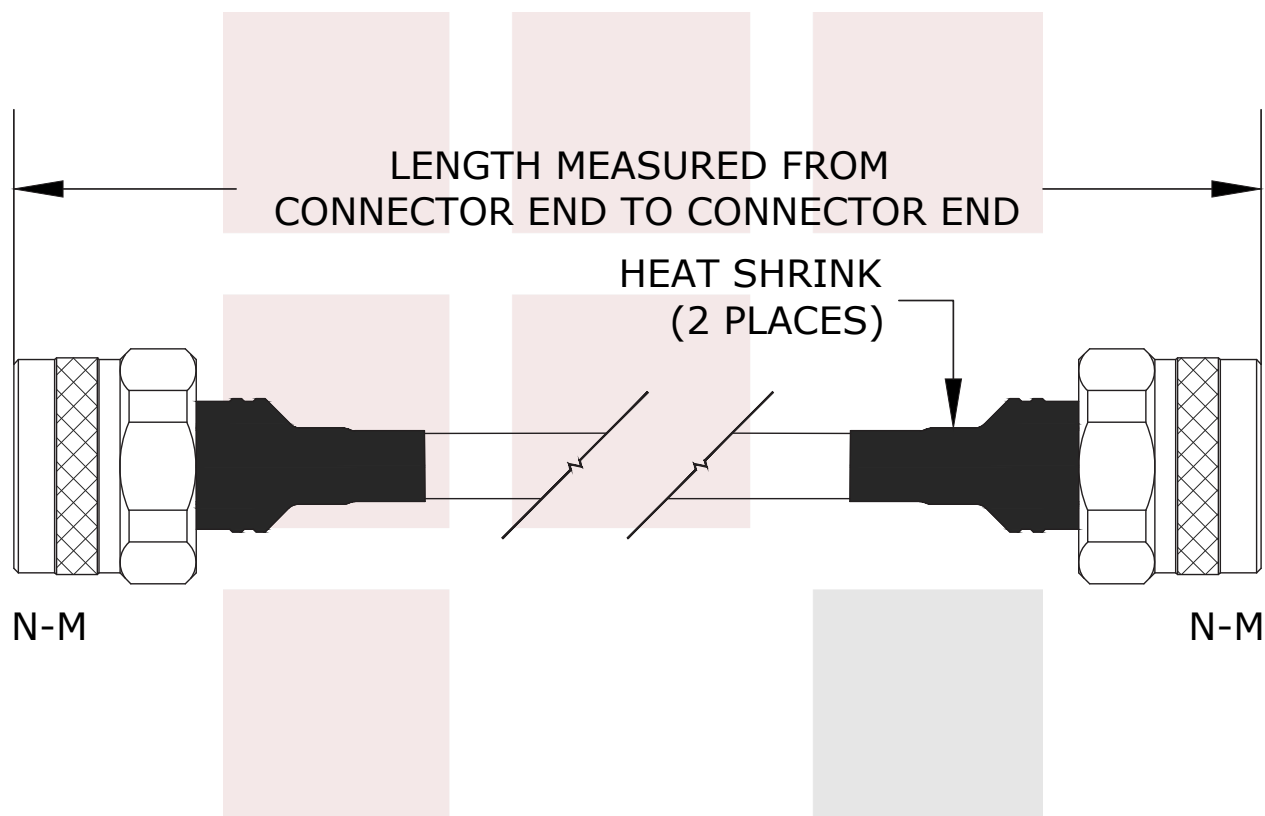
N Male to N Male Cable LMR-240 Coax in 18 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [N Male to N Male Cable LMR-240 Coax in 18 Inch FMC0101240-18](#)

URL:

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>N Male to N Male Cable LMR-240 Coax in 18 Inch                     | DWG NO<br><b>FMC0101240</b> |                                                                                                                                                                                     | CAGE CODE<br><b>3FKR5</b> |           |      |
|                                                                             | CAD FILE<br>101014          | SHEET                                                                                                                                                                               | SCALE<br>N/A              | SIZE<br>A | 5568 |