

## N Male to N Male Cable LMR-100 Coax in 48 Inch with LF Solder

The type N male to type N male 48 inch cable using LMR-100 coax, part number FMC0101100LF-48, from Fairview Microwave is in-stock and ships same day. This Fairview type N to type N cable assembly has a male to male gender configuration with 50 ohm flexible LMR-100A-PVC coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC0101100LF-48 type N male to type N male cable assembly operates to 3 GHz. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness of better than 90 dB. General purpose flexible LMR-100 cable assemblies are built using high quality connectors and Times Microwaves cable. These cable assemblies are built using double shielded flexible cable providing excellent shielding greater than 90 dB. 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.

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            |     | 3      | GHz                              |
| VSWR                          |               |     | 1.35:1 |                                  |
| Velocity of Propagation       |               | 66  |        | %                                |
| RF Shielding                  | 90            |     |        | dB                               |
| Capacitance                   | 30.8 [101.05] |     |        | pF/ft [pF/m]                     |
| Inductance                    | 0.077 [0.25]  |     |        | uH/ft [uH/m]                     |
| DC Resistance Inner Conductor | 81 [265.75]   |     |        | $\Omega$ /1000ft [ $\Omega$ /Km] |
| DC Resistance Outer Conductor | 9.5 [31.17]   |     |        | $\Omega$ /1000ft [ $\Omega$ /Km] |

### Mechanical Specifications

#### Cable Assembly

Length\* 48 in [121.92 cm]

#### Cable

Cable Type LMR-100A-PVC  
 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 0.195 in [4.95 mm]



### Configuration:

- N Male
- N Male
- LMR-100A-PVC

### Features:

- Max Frequency 3 GHz
- Shielding Effectivity > 90 dB
- 66% Phase Velocity
- Double Shielded
- PE Jacket
- N Male to N Male
- Times© LMR-100 Flexible Low Loss Coax
- Heat Shrink Booting
- VoP of 84%
- Custom lengths available

### Applications:

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

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## Connectors

| Description                | Connector 1            | Connector 2            |
|----------------------------|------------------------|------------------------|
| Type                       | N Male                 | N Male                 |
| Configuration              | Straight               | Straight               |
| Impedance                  | 50 Ohms                | 50 Ohms                |
| Contact Material & Plating | Beryllium Copper, Gold | Beryllium Copper, Gold |
| Dielectric Type            | PTFE                   | PTFE                   |
| Body Material & Plating    | Brass, Nickel          | Brass, Nickel          |

## 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:

**FMC0101100LF - xx uu**

cm = Centimeters

<blank> = Inches

Length

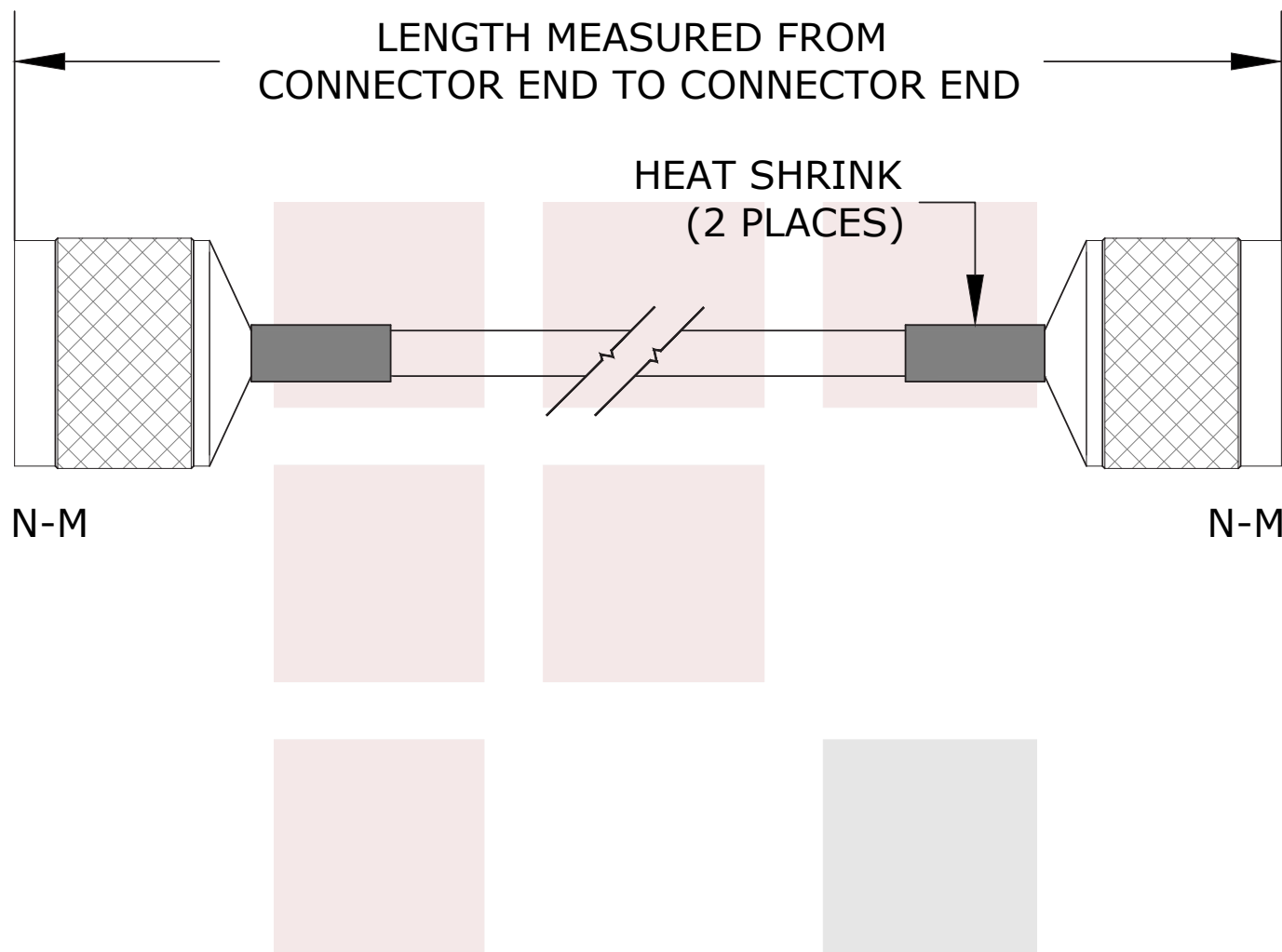
Example: FMC0101100LF-12 = 12 inches long cable  
 FMC0101100LF-100cm = 100 cm long cable

N Male to N Male Cable LMR-100 Coax in 48 Inch 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 N Male Cable LMR-100 Coax in 48 Inch with LF Solder FMC0101100LF-48](#)

URL: <https://www.fairviewmicrowave.com/standard-n-male-n-male-cable-lmr100-coax-fmc0101100lf-48-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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### 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 | DWG NO       |        | CAGE CODE |           |
|       | FMC0101100LF |        | 3FKR5     |           |
|       | CAD FILE     | 022506 | SHEET     | SCALE N/A |
|       |              |        |           | SIZE A    |
|       |              |        |           | 5568      |

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