

## N Male to N Male Cable LMR-100 Coax

General purpose flexible LMR-100 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. 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		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

Diameter 0.89 in [22.61 mm]

#### 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]

### Connectors

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



### Configuration:

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

### Features:

- N Male to N Male
- Times© LMR-100 Flexible Low Loss Coax
- Heat Shrink Booting
- VoP of 84%
- Custom lengths available
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### Applications:

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

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**Environmental Specifications**

**Temperature**

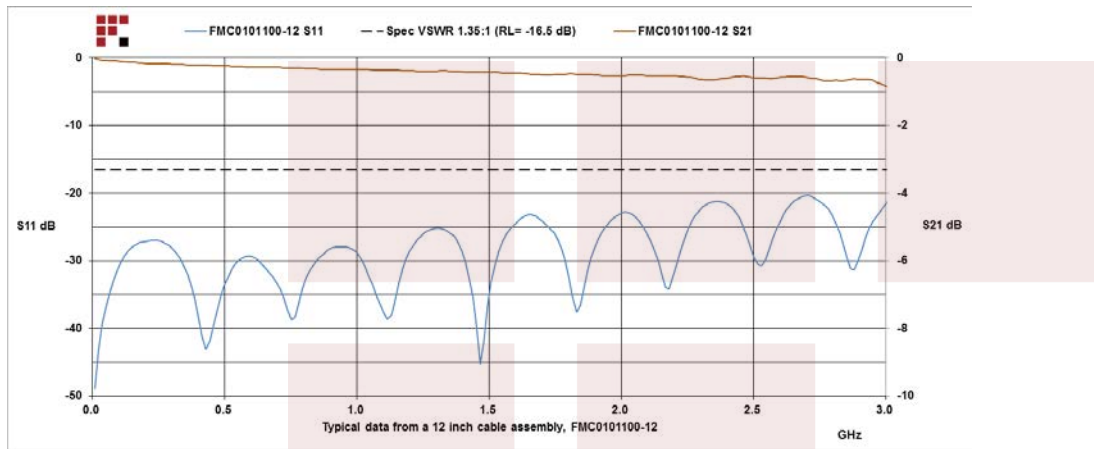
Operating Range -65 to +85 deg C

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

**Plotted and Other Data**

Notes:

**Typical Performance Data**



**How to Order**

Part Number Configuration:

**FMC0101100 - xx uu**

cm = Centimeters  
 <blank> = Inches  
 Length

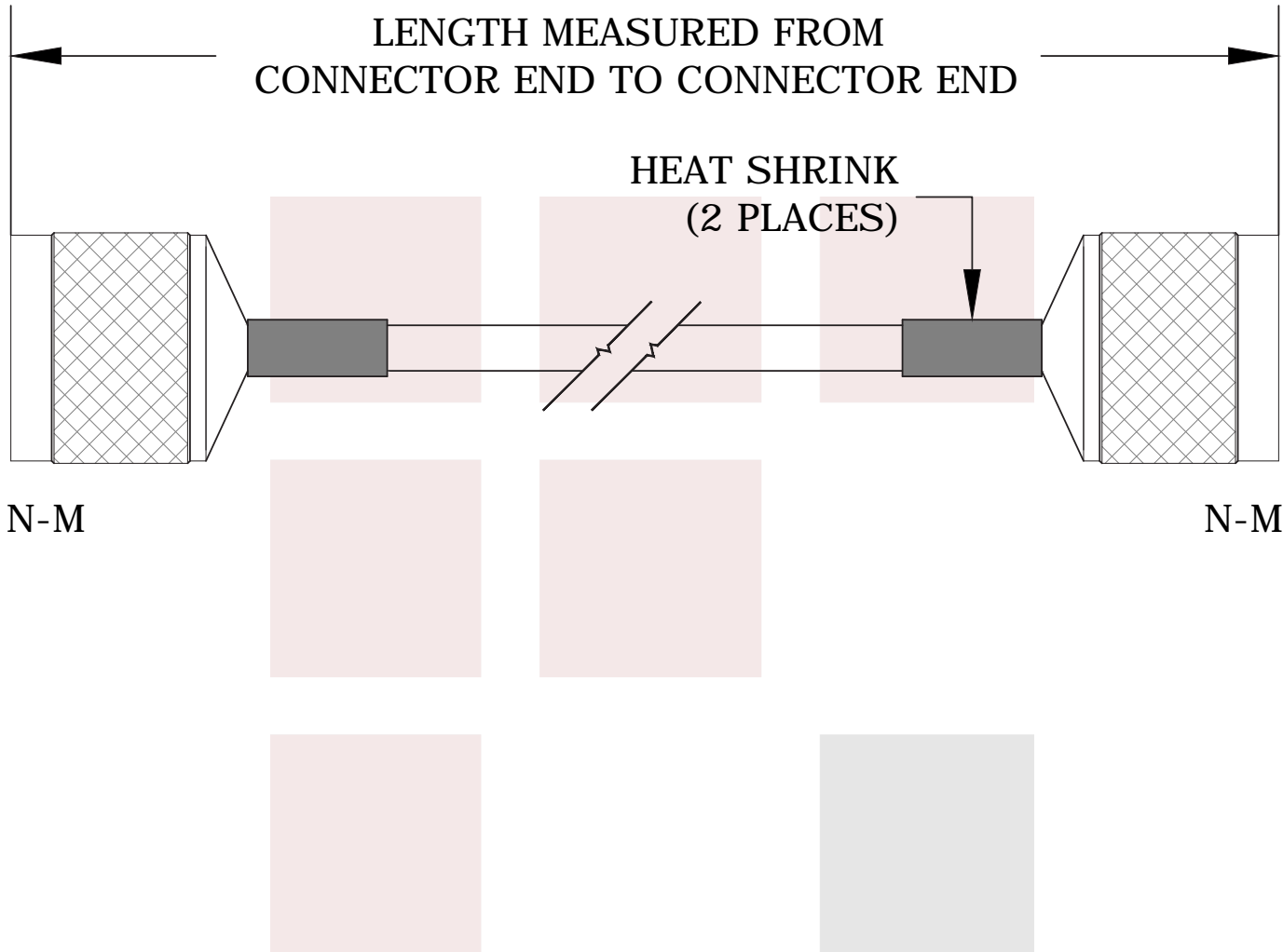
Example: FMC0101100-12 = 12 inches long cable  
 FMC0101100-100cm = 100 cm long cable

N Male to N Male Cable LMR-100 Coax 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-100 Coax FMC0101100](#)

URL: <http://www.fairviewmicrowave.com/standard-n-male-n-male-cable-invalid-alias-coax-fmc0101100-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	
	FMC0101100		3FKR5	
	CAD FILE	SHEET	SCALE	SIZE
	022506		N/A	A
				5568

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