



# Low Loss N Male to Straight Cut Lead Cable LMR-400 Coax Using Times Microwave Components

The 50 ohm type N male to straight cut lead cable using LMR-400 coax, part number FMCA2291, from Fairview Microwave is in-stock and ships same day. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. 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	Т	ур	Max	Units
Velocity of Propagation			8	35		%
RF Shielding		90				dB
Group Delay			1.2	[3.94]		ns/ft [ns/m]
Capacitance			23.9	[78.41]		pF/ft [pF/m]
Inductance			0.06	[0.2]		uH/ft [uH/m]
DC Resistance Inner Cor	nductor		1.39	[4.56]		Ω/1000ft [Ω/Km]
DC Resistance Outer Cor	nductor		1.65	[5.41]		Ω/1000ft [Ω/Km]
Jacket Spark					8,000	Vrms

**Electrical Specification Notes:** 

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

### **Mechanical Specifications**

### **Cable Assembly**

Weight 0.151 lbs [68.49 g]

## Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type
Number of Shields
Shield Layer 1
Shield Layer 2
Jacket Material

One Time Minimum Bend Radius Repeated Minimum Bend Radius Bending Moment

Bending Moment Flat Plate Crush Tensile Strength

Jacket Diameter

LMR-400 50 Ohms Solid

Copper Clad Aluminum

PE (F) 2

Aluminum Tape Tinned Copper Braid

PE, Black

0.405 in [10.29 mm]

1 in [25.4 mm] 4 in [101.6 mm] 0.5 lbs-ft [0.68 N-m] 40 lbs/in [0.71 Kg/mm] 160 lbs [72.57 Kg]



# **Configuration:**

- N Male
- Straight Cut Lead
- LMR-400

## **Features:**

- Shielding Effectivity > 90 dB
- 85% Phase Velocity
- Double Shielded
- PE Jacket

## **Applications:**

- General Purpose
- Laboratory Use

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#### **Connectors**

Description	Connector 1	Connector 2		
Туре	N Male	Straight Cut Lead		
Impedance	50 Ohms	0 Ohms		
Contact Material & Plating	Brass, Gold			
Contact Plating Spec.	50 μ in. minimum			
Dielectric Type	PTFE			
Body Material & Plating	Brass, Tri-Metal			
Body Plating Spec.	150 μ in. minimum			
Coupling Nut Material & Pla	ting Brass, Tri-Metal			
Coupling Nut Plating Spec.	150 μ in. minimum			
Hex Size	13/16 inch			

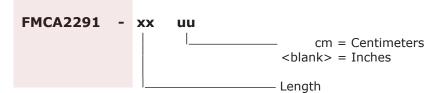
**Compliance Certifications** (see product page for current document)

## **Plotted and Other Data**

Notes:

#### **How to Order**

Part Number Configuration:



Example: FMCA2291-12 = 12 inches long cable

FMCA2291-100cm = 100 cm long cable

Low Loss N Male to Straight Cut Lead Cable LMR-400 Coax Using Times Microwave Components 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 N Male to Straight Cut Lead Cable LMR-400 Coax Using Times Microwave Components FMCA2291

URL: https://www.fairviewmicrowave.com/low-loss-n-male-to-straight-cut-lead-cable-lmr-400-coax-using-times-microwave-components-fmca2291-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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