

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	Typ	Max	Units
Velocity of Propagation		85		%
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 Conductor		1.39 [4.56]		$\Omega/1000ft$ [Ω/Km]
DC Resistance Outer Conductor		1.65 [5.41]		$\Omega/1000ft$ [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 LMR-400
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper Clad Aluminum
 Dielectric Type PE (F)
 Number of Shields 2
 Shield Layer 1 Aluminum Tape
 Shield Layer 2 Tinned Copper Braid
 Jacket Material PE, Black
 Jacket Diameter 0.405 in [10.29 mm]

One Time Minimum Bend Radius 1 in [25.4 mm]
 Repeated Minimum Bend Radius 4 in [101.6 mm]
 Bending Moment 0.5 lbs-ft [0.68 N-m]
 Flat Plate Crush 40 lbs/in [0.71 Kg/mm]
 Tensile Strength 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

Fairview Microwave
 301 Leora Ln., Suite 100
 Lewisville, TX 75056
 Tel: 1-800-715-4396 / (972) 649-6678
 Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Connectors

Description	Connector 1	Connector 2
Type	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 & Plating	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:

FMCA2291 - xx uu

cm = Centimeters
<blank> = Inches

Length

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>

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