

Low Loss 75 Ohm N Male to 75 Ohm N Male Cable 75 Ohm LMR-240-75-DB Coax with Times Microwave Components

FMCA100029

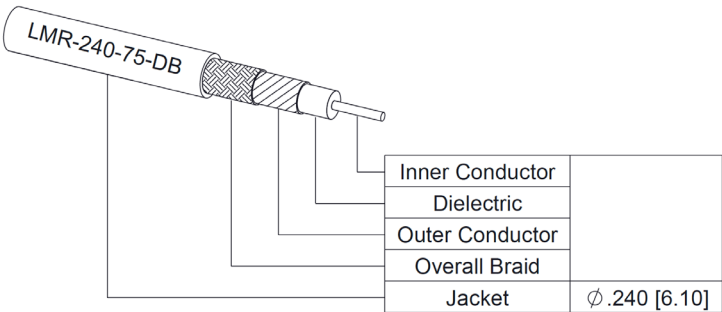


Configuration

- Connector 1: N Male
- Connector 2: N Male
- Cable Type: LMR-240-75-DB
- Coax Cable Group: 94

Features

- Max Frequency 2.5 GHz
- 84% Phase Velocity
- PE Jacket



Applications

- General Purpose
- Laboratory Use

Description

The 75 ohm type N male to 75 ohm type N male cable using 75 ohm LMR-240-75-DB coax, part number FMCA100029, 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 75 ohm LMR-240-75-DB coax. The FMCA100029 type N male to type N male cable assembly operates to 2.5 GHz.

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	Minimum	Typical	Maximum	Units
Frequency Range	DC		2.5	GHz
VSWR			1.4:1	
Velocity of Propagation		84		%

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	100	250	500	1000	2500	MHz	
FMCA100029	Custom Lengths Available	Insertion Loss (Typ.)	0.022	0.036	0.052	0.075	0.123	dB/ft	
			0.08	0.12	0.18	0.25	0.41	dB/m	
FMCA100029-12	12 Inch	Insertion Loss (Typ.)	0.23	0.24	0.26	0.28	0.33	dB	0.195
FMCA100029-24	24 Inch	Insertion Loss (Typ.)	0.25	0.28	0.31	0.35	0.45	dB	0.231
FMCA100029-36	36 Inch	Insertion Loss (Typ.)	0.27	0.31	0.36	0.43	0.57	dB	0.266
FMCA100029-48	48 Inch	Insertion Loss (Typ.)	0.29	0.35	0.41	0.5	0.7	dB	0.301
FMCA100029-60	60 Inch	Insertion Loss (Typ.)	0.31	0.38	0.46	0.58	0.82	dB	0.336

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1: 0.1 dB
 Loss due to Connector 2: 0.1 dB
 Base Weight: 0.195 pounds
 Additional Weight per Inch: 0.00292 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter 0.5 in [12.7 mm]
 Weight 0.195 lbs [88.45 g]

Cable

Cable Type LMR-240-75-DB
 Impedance 75 Ohms
 Inner Conductor Type Stranded
 Inner Conductor Material and Plating Copper
 Dielectric Type Foam PE
 Outer Conductor 1 Material and Plating Aluminum Tape
 Outer Conductor Diameter 0.155 in [3.94 mm]
 Jacket Material PE
 Jacket Diameter 0.24 in [6.1 mm]

Connectors

Description	Connector 1	Connector 2
Type	N Male	N Male
Impedance	75 Ohms	75 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Nickel, Gold	Nickel, Gold

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Environmental Specifications

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Typical Performance Data

How to Order

Part Number Configuration: **FMCA100029 - xx uu**

Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: FMCA100029-12 = 12 inches long cable
FMCA100029-100cm = 100 cm long cable

Low Loss 75 Ohm N Male to 75 Ohm N Male Cable 75 Ohm LMR-240-75-DB Coax with Times Microwave Components from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Low Loss 75 Ohm N Male to 75 Ohm N Male Cable 75 Ohm LMR-240-75-DB Coax with Times Microwave Components FMCA100029](#)

URL: <https://www.fairviewmicrowave.com/low-loss-75-ohm-n-male-to-75-ohm-n-male-cable-75-ohm-lmr-240-75-db-coax-with-times-microwave-components-fmca100029-p.aspx>

The information contained within 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 liability arising out of the use of any part or document.

FMCA100029 CAD Drawing

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