

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



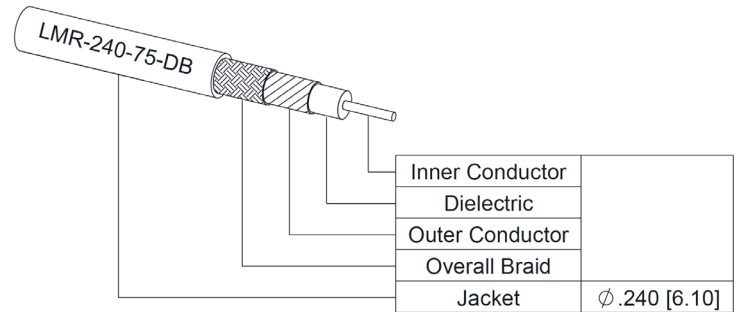
**FMCA100028**

**Configuration**

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

**Features**

- Max Frequency 2 GHz
- 84% Phase Velocity
- PE Jacket



**Applications**

- General Purpose
- Laboratory Use

**Description**

The 75 ohm type F male to 75 ohm type N male cable using 75 ohm LMR-240-75-DB coax, part number FMCA100028, from Fairview Microwave is in-stock and ships same day. This Fairview type F to type N cable assembly has a male to male gender configuration with 75 ohm LMR-240-75-DB coax. The FMCA100028 type F male to type N male cable assembly operates to 2 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	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	50	100	250	500	2000	
FMCA100028	Custom Lengths Available	Insertion Loss (Typ.)	0.016	0.022	0.036	0.052	0.109	dB/ft	
			0.06	0.08	0.12	0.18	0.36	dB/m	
FMCA100028-12	12 Inch	Insertion Loss (Typ.)	0.22	0.23	0.24	0.26	0.31	dB	0.131
FMCA100028-24	24 Inch	Insertion Loss (Typ.)	0.24	0.25	0.28	0.31	0.42	dB	0.167
FMCA100028-36	36 Inch	Insertion Loss (Typ.)	0.25	0.27	0.31	0.36	0.53	dB	0.202
FMCA100028-48	48 Inch	Insertion Loss (Typ.)	0.27	0.29	0.35	0.41	0.64	dB	0.237
FMCA100028-60	60 Inch	Insertion Loss (Typ.)	0.28	0.31	0.38	0.46	0.75	dB	0.272

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: 0.131 pounds  
 Additional Weight per Inch: 0.00292 pounds

**Mechanical Specifications**

**Cable Assembly**

Width/Diameter 0.5 in [12.7 mm]  
 Weight 0.131 lbs [59.42 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	F Male	N Male
Impedance	75 Ohms	75 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Beryllium Copper	Beryllium Copper, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Nickel, Gold over Copper	Nickel, Gold
Body Plating Specification	50 µin minimum	

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**Environmental Specifications**

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

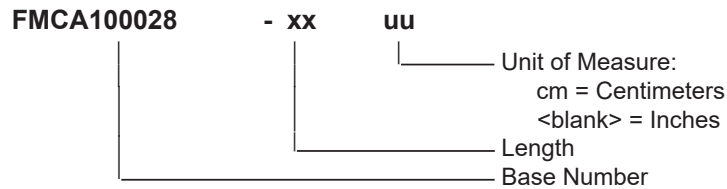
**Plotted and Other Data**

Notes:

**Typical Performance Data**

**How to Order**

Part Number Configuration:



Example: FMCA100028-12 = 12 inches long cable  
FMCA100028-100cm = 100 cm long cable

Low Loss 75 Ohm F 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 F Male to 75 Ohm N Male Cable 75 Ohm LMR-240-75-DB Coax with Times Microwave Components FMCA100028](#)

URL: <https://www.fairviewmicrowave.com/low-loss-75-ohm-f-male-to-75-ohm-n-male-cable-75-ohm-lmr-240-75-db-coax-with-times-microwave-components-fmca100028-p.aspx>

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# FMCA100028 CAD Drawing

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