

Low Loss 75 Ohm F Male to 75 Ohm N Male Cable 75 Ohm LMR-600-75-DB Coax with Times Microwave Components



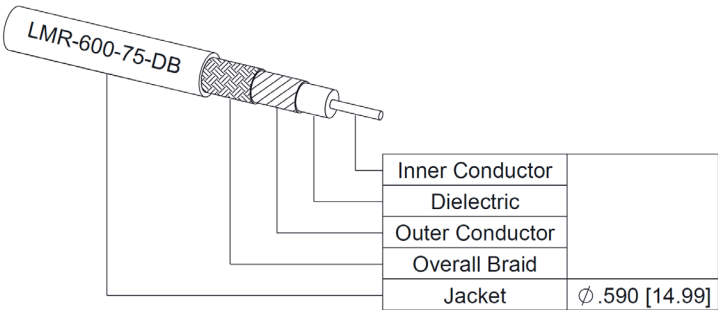
FMCA100035

Configuration

- Connector 1: F Male
- Connector 2: N Male
- Cable Type: LMR-600-75-DB
- Coax Cable Group: 96

Features

- Max Frequency 1 GHz
- 87% 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-600-75-DB coax, part number FMCA100035, 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-600-75-DB coax. The FMCA100035 type F male to type N male cable assembly operates to 1 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		1,000	MHz
VSWR			1.4:1	
Velocity of Propagation		87		%

Specifications by Frequency

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### FMCA100035

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	50	100	250	500	1000	MHz	
FMCA100035	Custom Lengths Available	Insertion Loss (Typ.)	0.005	0.007	0.011	0.016	0.024	dB/ft	
			0.02	0.03	0.04	0.06	0.08	dB/m	
FMCA100035-12	12 Inch	Insertion Loss (Typ.)	0.21	0.21	0.22	0.22	0.23	dB	0.231
FMCA100035-24	24 Inch	Insertion Loss (Typ.)	0.21	0.22	0.23	0.24	0.25	dB	0.267
FMCA100035-36	36 Inch	Insertion Loss (Typ.)	0.22	0.23	0.24	0.25	0.28	dB	0.302
FMCA100035-48	48 Inch	Insertion Loss (Typ.)	0.22	0.23	0.25	0.27	0.3	dB	0.337
FMCA100035-60	60 Inch	Insertion Loss (Typ.)	0.23	0.24	0.26	0.28	0.32	dB	0.372

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:	0.231 pounds
Additional Weight per Inch:	0.00292 pounds

### Mechanical Specifications

#### Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.231 lbs [104.78 g]

#### Cable

Cable Type	LMR-600-75-DB
Impedance	75 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Aluminum
Dielectric Type	PTFE
Outer Conductor 1 Material and Plating	Aluminum Tape
Outer Conductor Diameter	0.461 in [11.71 mm]
Jacket Material	PE
Jacket Diameter	0.59 in [14.99 mm]

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**FMCA100035**

### Connectors

Description	Connector 1	Connector 2
Type	F Male	N Male
Impedance	75 Ohms	75 Ohms
Configuration	Straight	Straight
Mating Cycles	500	
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	50 µin minimum	
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Nickel, Gold
Body Plating Specification	80 µin minimum	
Coupling Nut Material and Plating	Copper, Tri-Metal	
Coupling Nut Plating Specification	80 µin minimum	

### Environmental Specifications

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

### Plotted and Other Data

Notes:

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### FMCA100035

#### Typical Performance Data

#### How to Order

Part Number Configuration: **FMCA100035**    **- xx**    **uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches

Length

Base Number

Example: FMCA100035-12 = 12 inches long cable  
FMCA100035-100cm = 100 cm long cable

Low Loss 75 Ohm F Male to 75 Ohm N Male Cable 75 Ohm LMR-600-75-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-600-75-DB Coax with Times Microwave Components FMCA100035](https://www.fairviewmicrowave.com/low-loss-75-ohm-f-male-to-75-ohm-n-male-cable-75-ohm-lmr-600-75-db-coax-with-times-microwave-components-fmca100035)

URL: <https://www.fairviewmicrowave.com/low-loss-75-ohm-f-male-to-75-ohm-n-male-cable-75-ohm-lmr-600-75-db-coax-with-times-microwave-components-fmca100035-p.aspx>

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FMCA100035 CAD Drawing
Low Loss 75 Ohm F Male to 75 Ohm N Male Cable 75 Ohm LMR-600-
75-DB Coax with Times Microwave Components

