

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

PE3C10266

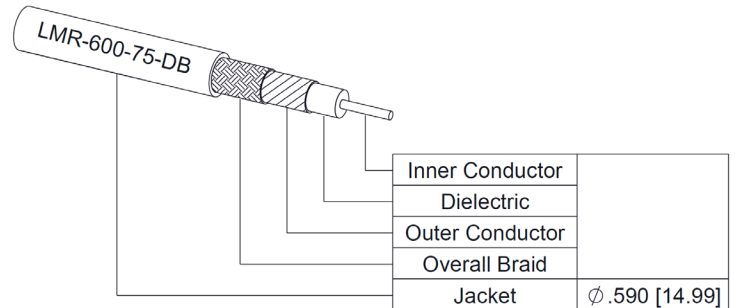


Configuration

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

Features

- Max Frequency 1 GHz
- 87% Phase Velocity
- PE Jacket
- 500 Mating Cycles



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C10266 75 ohm type F male to 75 ohm type F male cable using 75 ohm LMR-600-75-DB coax is part of our full line of RF components available for same-day shipping. This Pasternack type F to type F cable assembly has a male to male gender configuration with 75 ohm LMR-600-75-DB coax. The PE3C10266 type F male to type F 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 available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. 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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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	50	100	250	500	1000	MHz	
PE3C10266	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	
PE3C10266-12	12 Inch	Insertion Loss (Typ.)	0.21	0.21	0.22	0.22	0.23	dB	0.095
PE3C10266-24	24 Inch	Insertion Loss (Typ.)	0.21	0.22	0.23	0.24	0.25	dB	0.131
PE3C10266-36	36 Inch	Insertion Loss (Typ.)	0.22	0.23	0.24	0.25	0.28	dB	0.166
PE3C10266-48	48 Inch	Insertion Loss (Typ.)	0.22	0.23	0.25	0.27	0.3	dB	0.201
PE3C10266-60	60 Inch	Insertion Loss (Typ.)	0.23	0.24	0.26	0.28	0.32	dB	0.236

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:	0.095 pounds
Additional Weight per Inch:	0.00292 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.095 lbs [43.09 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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Connectors

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

Environmental Specifications

Operating Range Temperature -40 to +85 deg C

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

Plotted and Other Data

Notes:

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PE3C10266

Typical Performance Data

How to Order

Part Number Configuration:

PE3C10266

- xx

uu

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

Length

Base Number

Example: PE3C10266-12 = 12 inches long cable
PE3C10266-100cm = 100 cm long cable

75 Ohm F Male to 75 Ohm F Male Low Loss Cable Using 75 Ohm LMR-600-75-DB Coax with Times Microwave Components from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm F Male to 75 Ohm F Male Low Loss Cable Using 75 Ohm LMR-600-75-DB Coax with Times Microwave Components PE3C10266](#)

URL: <https://www.pasternack.com/75-ohm-f-male-to-75-ohm-f-male-low-loss-cable-using-lmr-600-75-db-pe3c10266-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. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE3C10266 CAD Drawing

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

