

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

PE3C10260

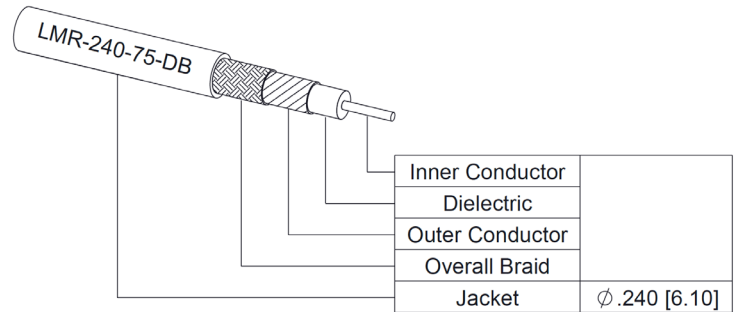


Configuration

- Connector 1: F Male
- Connector 2: F 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

Pasternack's PE3C10260 75 ohm type F male to 75 ohm type F male cable using 75 ohm LMR-240-75-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-240-75-DB coax. The PE3C10260 type F male to type F 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 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		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	MHz	
PE3C10260	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	
PE3C10260-12	12 Inch	Insertion Loss (Typ.)	0.22	0.23	0.24	0.26	0.31	dB	0.067
PE3C10260-24	24 Inch	Insertion Loss (Typ.)	0.24	0.25	0.28	0.31	0.42	dB	0.103
PE3C10260-36	36 Inch	Insertion Loss (Typ.)	0.25	0.27	0.31	0.36	0.53	dB	0.138
PE3C10260-48	48 Inch	Insertion Loss (Typ.)	0.27	0.29	0.35	0.41	0.64	dB	0.173
PE3C10260-60	60 Inch	Insertion Loss (Typ.)	0.28	0.31	0.38	0.46	0.75	dB	0.208

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:	0.067 pounds
Additional Weight per Inch:	0.00292 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.067 lbs [30.39 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	F Male
Impedance	75 Ohms	75 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Beryllium Copper	Beryllium Copper
Dielectric Type	PTFE	PTFE
Body Material and Plating	Nickel, Gold over Copper	Nickel, Gold over Copper
Body Plating Specification	50 µin minimum	50 µin minimum

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Environmental Specifications

Operating Range Temperature

-40 to +85 deg C

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

Plotted and Other Data

Notes:

Typical Performance Data

How to Order

Part Number Configuration:

PE3C10260

- xx

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Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C10260-12 = 12 inches long cable
PE3C10260-100cm = 100 cm long cable

75 Ohm F Male to 75 Ohm F Male Low Loss Cable Using 75 Ohm LMR-240-75-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-240-75-DB Coax with Times Microwave Components PE3C10260](#)

URL: <https://www.pasternack.com/75-ohm-f-male-to-75-ohm-f-male-low-loss-cable-using-lmr-240-75-db-pe3c10260-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.

PE3C10260 CAD Drawing

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