



N Male to Straight Cut Lead Low Loss Cable Using LMR-600-DB Coax With Times Microwave Components

RF Cable Assemblies Technical Data Sheet

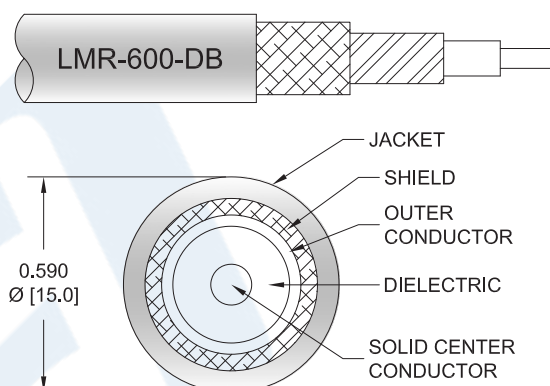
PE3C5989

Configuration

- Connector 1: N Male
- Connector 2: Straight Cut Lead
- Cable Type: LMR-600-DB

Features

- Shielding Effectivity > 90 dB
- 87% Phase Velocity
- Double Shielded
- PE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C5989 50 ohm type N male to straight cut lead cable using LMR-600-DB coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 90 dB.

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
Velocity of Propagation		87		%
RF Shielding	90			dB
Group Delay		1.17 [3.84]		ns/ft [ns/m]
Capacitance		23.4 [76.77]		pF/ft [pF/m]
Inductance		0.058 [0.19]		uH/ft [uH/m]
DC Resistance Inner Conductor		0.53 [1.74]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		1.2 [3.94]		Ω/1000ft [Ω/Km]
Jacket Spark			8,000	Vrms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to Straight Cut Lead Low Loss Cable Using LMR-600-DB Coax With Times Microwave Components PE3C5989](#)



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Mechanical Specifications

Cable Assembly

Weight 0.27 lbs [122.47 g]

Cable

Cable Type LMR-600-DB
Impedance 50 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Copper Clad Aluminum
Dielectric Type PE (F)
Number of Shields 2
Shield Layer 1 Aluminum Tape
Shield Layer 2 Tinned Copper Braid
Jacket Material PE, Black
Jacket Diameter 0.59 in [14.99 mm]

One Time Minimum Bend Radius 1.5 in [38.1 mm]
Repeated Minimum Bend Radius 6 in [152.4 mm]
Bending Moment 2.75 lbs-ft [3.73 N-m]
Flat Plate Crush 60 lbs/in [1.07 Kg/mm]
Tensile Strength 350 lbs [158.76 Kg]

Connectors

Description	Connector 1	Connector 2
Type	N Male	Straight Cut Lead
Impedance	50 Ohms	0 Ohms
Contact Material and Plating	Brass, Gold	
Contact Plating Specification	50µ in. minimum	
Dielectric Type	PTFE	
Body Material and Plating	Brass, Tri-Metal	
Body Plating Specification	100µ in. minimum	
Coupling Nut Material and Plating	Brass, Tri-Metal	
Coupling Nut Plating Specification	100µ in. minimum	
Hex Size	20.57 mm	
Torque	44 in-lbs [4.97 Nm]	

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

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3C5989

- **xx**

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

Example: PE3C5989-12 = 12 inches long cable
PE3C5989-100cm = 100 cm long cable

N Male to Straight Cut Lead Low Loss Cable Using LMR-600-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: [N Male to Straight Cut Lead Low Loss Cable Using LMR-600-DB Coax With Times Microwave Components PE3C5989](https://www.pasternack.com/n-male-to-straight-cut-lead-low-loss-cable-using-lmr-600-db-pe3c5989-p.aspx)

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The information contained in 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 reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE3C5989 CAD Drawing

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