



N Male to Straight Cut Lead Low Loss Cable Using LMR-400-DB Coax With Times Microwave Components

RF Cable Assemblies Technical Data Sheet

PE3C6627

Configuration

- Connector 1: N Male
- Connector 2: Straight Cut Lead
- Cable Type: LMR-400-DB

Features

- Shielding Effectivity > 90 dB
- 85% Phase Velocity
- Double Shielded
- PE Jacket

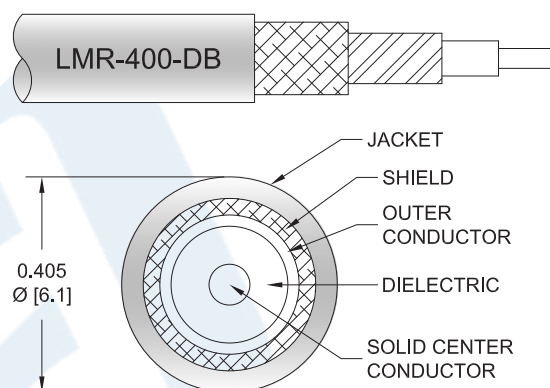
Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C6627 50 ohm type N male to straight cut lead cable using LMR-400-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.



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-400-DB Coax With Times Microwave Components PE3C6627](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
VSWR			1.5:1	
Velocity of Propagation		85		%
RF Shielding	90			dB
Group Delay		1.2 [3.94]		ns/ft [ns/m]
Capacitance		23.9 [78.41]		pF/ft [pF/m]
Inductance		0.06 [0.2]		uH/ft [uH/m]
DC Resistance Inner Conductor		1.39 [4.56]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		1.65 [5.41]		Ω/1000ft [Ω/Km]
Operating Voltage (AC)			1,500	Vrms
Jacket Spark			8,000	Vrms

Mechanical Specifications

Cable Assembly

Weight 0.169 lbs [76.66 g]

Cable

Cable Type LMR-400-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 0.405 in [10.29 mm]

One Time Minimum Bend Radius 1 in [25.4 mm]
 Repeated Minimum Bend Radius 4 in [101.6 mm]
 Bending Moment 0.5 lbs-ft [0.68 N-m]
 Flat Plate Crush 40 lbs/in [0.71 Kg/mm]
 Tensile Strength 160 lbs [72.57 Kg]

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Connectors

Description	Connector 1	Connector 2
Type	N Male	Straight Cut Lead
Impedance	50 Ohms	0 Ohms
Contact Material and Plating	Beryllium Bronze, Gold	
Contact Plating Specification	50μ in. minimum	
Dielectric Type	PTFE	
Body Material and Plating	Brass, Tri-Metal	
Body Plating Specification	150μ in. minimum	
Coupling Nut Material and Plating	Brass, Tri-Metal	
Coupling Nut Plating Specification	150μ in. minimum	
Hex Size	13/16 Inch	

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

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

Plotted and Other Data

Notes:

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PE3C6627

How to Order

Part Number Configuration:

PE3C6627

- **xx**

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

Example: PE3C6627-12 = 12 inches long cable
PE3C6627-100cm = 100 cm long cable

N Male to Straight Cut Lead Low Loss Cable Using LMR-400-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.

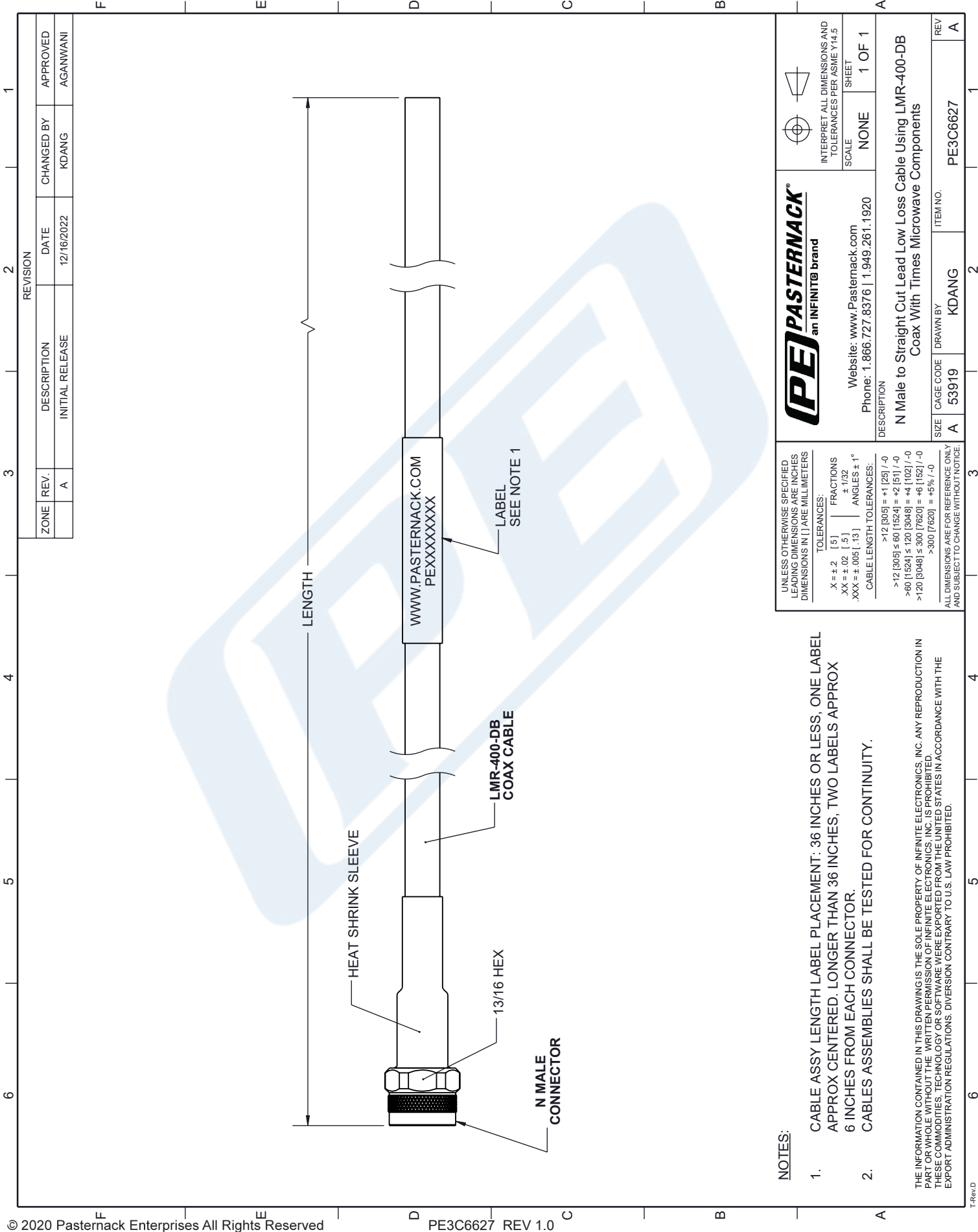
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URL: <https://www.pasternack.com/n-male-to-straight-cut-lead-low-loss-cable-using-lmr-400-db-pe3c6627-p.aspx>

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PE3C6627 CAD Drawing

N Male to Straight Cut Lead Low Loss Cable Using LMR-400-DB Coax With Times Microwave Components



NOTES:

1. CABLE ASSY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROX 6 INCHES FROM EACH CONNECTOR.
2. CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		PE PASTERNAK an INFINITE brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES: X = ±.2 [.5] XX = ±.02 [.5] .XXX = ±.005 [.13]		FRACTIONS ± 1/32 ANGLES ± 1°		SCALE NONE	
CABLE LENGTH TOLERANCES: >12 [305] = +1 [25] / -0 >60 [1524] ≤ 60 [1524] = +2 [51] / -0 >120 [3048] ≤ 120 [3048] = +4 [102] / -0 >120 [3048] ≤ 300 [7620] = +6 [152] / -0 >300 [7620] = +5% / -0		DESCRIPTION N Male to Straight Cut Lead Low Loss Cable Using LMR-400-DB Coax With Times Microwave Components		SHEET 1 OF 1	
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE		SIZE A		REV A	
DRAWN BY KDANG		ITEM NO. PE3C6627		1 OF 1	
CAGE CODE 53919		PHONE: 1.866.727.8376 1.949.261.1920		WEBSITE: www.Pasternack.com	