



BNC Male to TNC Male Low Loss Cable Using LMR-400-DB Coax with HeatShrink

TECHNICAL DATA SHEET

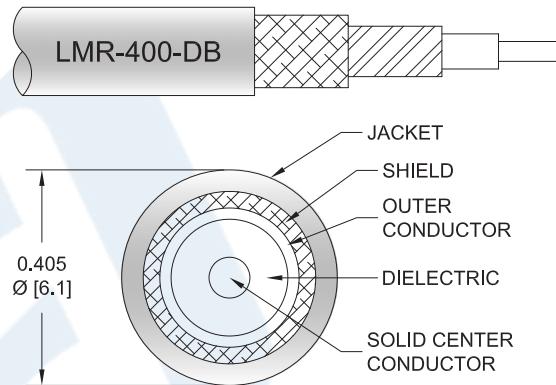
PE3W04930/HS

Configuration

- Connector 1: BNC Male
- Connector 2: TNC Male
- Cable Type: LMR-400-DB
- Coax Flex Type: Flexible

Features

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



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W04930/HS BNC male to TNC male 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. This Pasternack BNC to TNC cable assembly has a male to male gender configuration with 50 ohm flexible LMR-400-DB coax. 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: [BNC Male to TNC Male Low Loss Cable Using LMR-400-DB Coax with HeatShrink PE3W04930/HS](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
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]
Jacket Spark			8,000	Vrms

Mechanical Specifications

Cable Assembly

Weight 0.195 lbs [88.45 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	BNC Male Bayonet	TNC Male Threaded
Specification	MIL-STD-348	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Silver	Brass, Silver
Contact Plating Specification	QQ-S-365	ASTM-B700
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	QQ-N-290	ASTM-B689
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	QQ-N-290	ASTM-B689

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

Plotted and Other Data

Notes:

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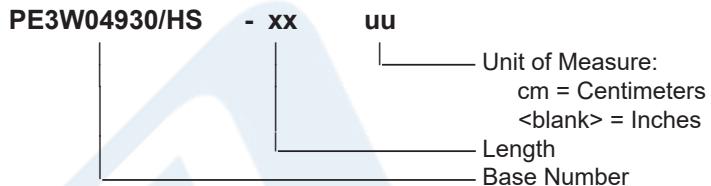
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PE3W04930/HS

How to Order

Part Number Configuration:



Example: PE3W04930/HS-12 = 12 inches long cable
PE3W04930/HS-100cm = 100 cm long cable

BNC Male to TNC Male Low Loss Cable Using LMR-400-DB Coax with HeatShrink 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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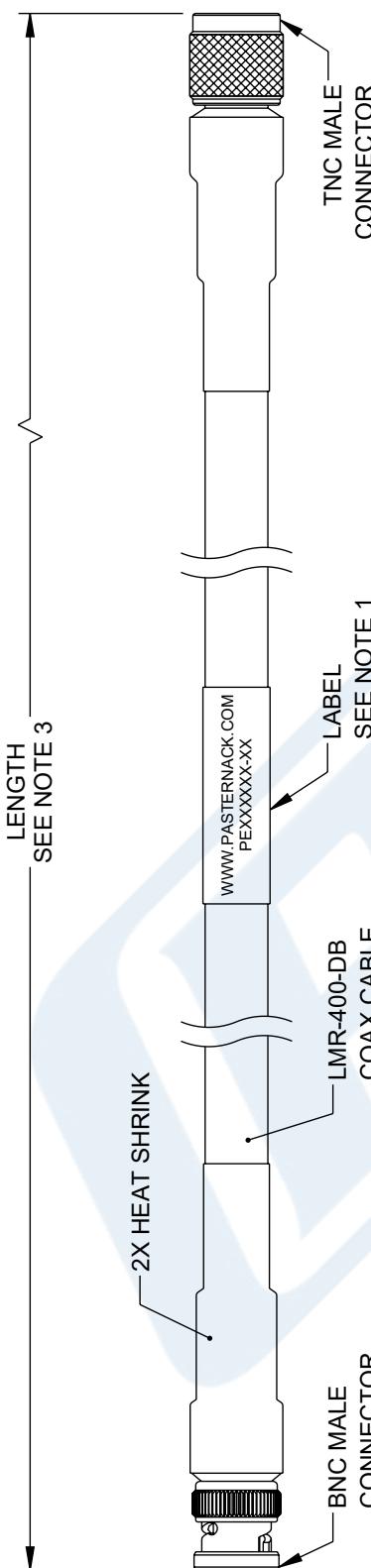
URL: <https://www.pasternack.com/bnc-male-to-tnc-male-low-loss-cable-using-lmr-400-db-with-heatshrink-pe3w04930-hs-p.aspx>

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.

PE3W04930/HS CAD Drawing

BNC Male to TNC Male Low Loss Cable Using LMR-400-DB Coax with HeatShrink

ZONE	REV	DESCRIPTION	REVISION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE		11/10/2023	KGLEBOVA	AGANWANI



NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT:
36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED.
LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6
INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND
DESCRIPTION.

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 PASTERNACK® an INFINITI® brand		 INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
		SCALE	1 OF 1
		NONE	SHEET
		BNC MALE TO TNC MALE LOW LOSS CABLE USING LMR-400-DB COAX WITH HEATSHRINK	
		DESCRIPTION BNC MALE TO TNC MALE LOW LOSS CABLE USING LMR-400-DB COAX WITH HEATSHRINK	
		WEBSITE: www.Pasternack.com PHONE: 1.866.727.8376 1.949.261.1920	
UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE IN MILLIMETERS TOLERANCES: $X = \pm 2.5\%$ $XXX = \pm 0.05 [0.13]$ $XXX = \pm 0.02 [0.05]$ $XXX = \pm 0.01 [0.03]$		FRACTIONS $\pm 1/32$ $\pm 1/64$ $\pm 1/128$	
CABLE LENGTH TOLERANCES: $>12 [305] \pm 12 [305] \pm 1 [25]$ $>60 [1524] \pm 120 [3048] \pm 44 [1118]$ $>120 [3048] \pm 300 [7620] \pm 120 [3048]$		DESCRIPTION BNC MALE TO TNC MALE LOW LOSS CABLE USING LMR-400-DB COAX WITH HEATSHRINK	
SIZE A	CAGE CODE 53919	DRAWN BY KGLEBOVA	ITEM NO. PE3W04930/HS
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE UNDIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION COLORS MAY VARY			

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