

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



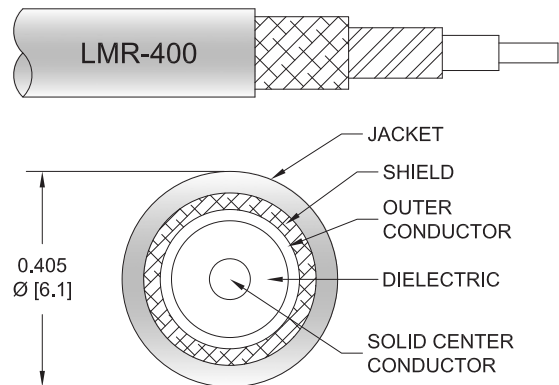
PE3W00904/HS

Configuration

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

Features

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



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W00904/HS type N male to BNC male cable using LMR-400 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 type N to BNC cable assembly has a male to male gender configuration with 50 ohm flexible LMR-400 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.

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]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		1.65 [5.41]		Ohms/1000ft [Ohms/Km]
Jacket Spark			8,000	Vrms

Mechanical Specifications

Cable Assembly

Width/Diameter

0.5 in [12.7 mm]

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Weight	0.23 lbs [104.33 g]
Cable	
Cable Type	LMR-400
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]

Connectors

Description	Connector 1	Connector 2
Type	N Male	BNC Male
Specification		MIL-STD-348
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Silver
Contact Plating Specification	15 µin minimum	QQ-S-365
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Nickel
Body Plating Specification		QQ-N-290
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Nickel
Coupling Nut Plating Specification		QQ-N-290
Hex Size	18 mm	

Environmental Specifications

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

Plotted and Other Data

Notes:

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PE3W00904/HS

Typical Performance Data

How to Order

Part Number Configuration:

PE3W00904/HS - xx uu

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

Example: PE3W00904/HS-12 = 12 inches long cable
 PE3W00904/HS-100cm = 100 cm long cable

N Male to BNC Male Low Loss Cable Using LMR-400 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.

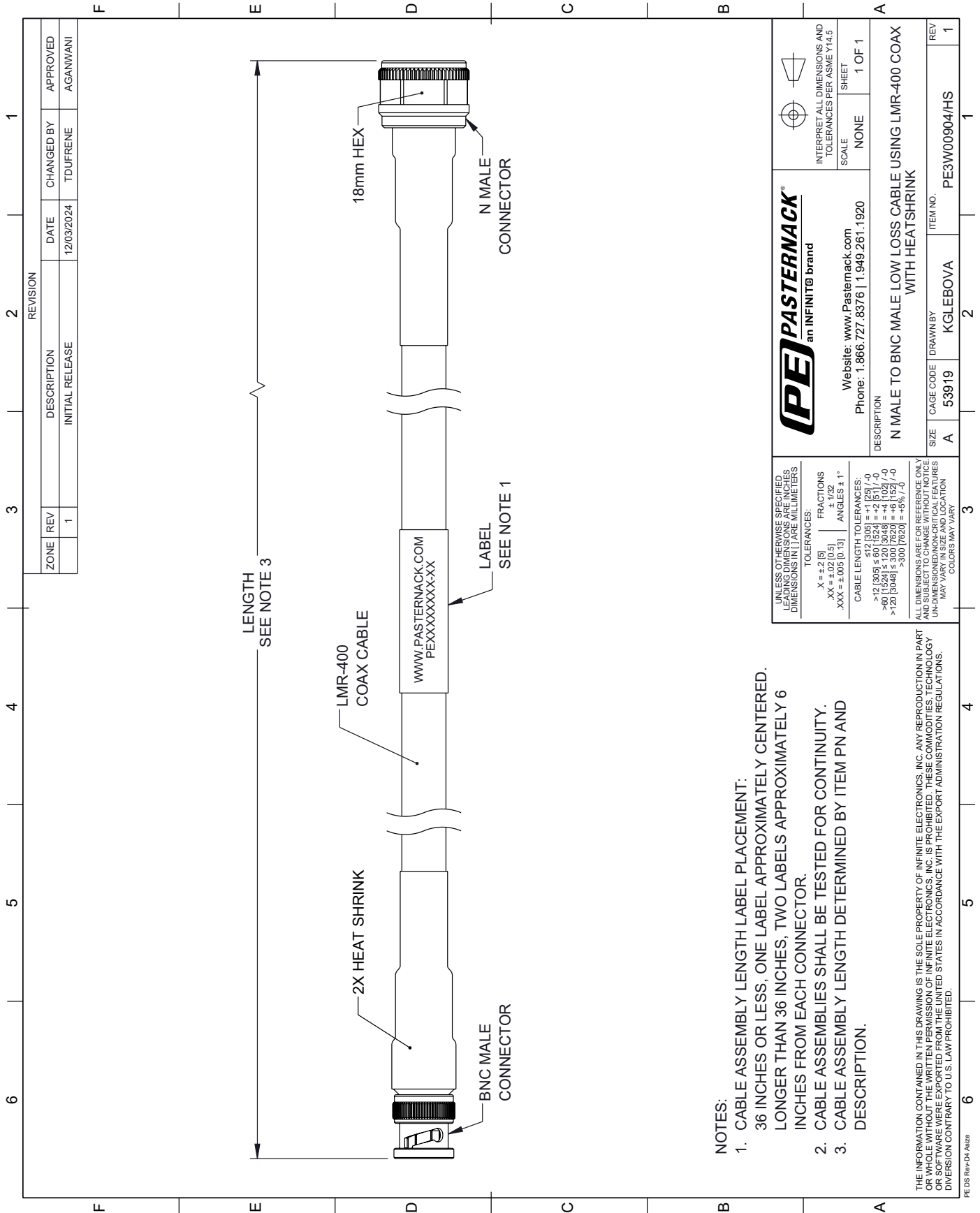
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to BNC Male Low Loss Cable Using LMR-400 Coax with HeatShrink PE3W00904/HS](#)

URL: <https://www.pasternack.com/n-male-to-bnc-male-low-loss-cable-using-lmr-400-with-heatshrink-pe3w00904-hs-p.aspx>

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PE3W00904/HS CAD Drawing

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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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PE DS Rev-04 A182z

<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN PARENTHESISES ARE MILLIMETERS</p> <p>TOLERANCES:</p> <p>.X = ±.2 [5] FRACTIONS ± 1/32 .XX = ±.02 [0.5] ANGLES ± 1° .XXX = ±.005 [0.13]</p> <p>CABLE LENGTH TOLERANCES:</p> <p>>12 [305] ≤ 60 [1524] = +1 [25] / -0 >60 [1524] ≤ 120 [3048] = +4 [102] / -0 >120 [3048] ≤ 300 [7620] = +5 [127] / -0 >300 [7620] = +5 [127] / -0</p> <p>ALL DIMENSIONS ARE FOR REFERENCE ONLY DIMENSIONS ON CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION COLORS MAY VARY</p>		<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p> <p>SCALE NONE</p> <p>SHEET 1 OF 1</p>	
<p>Website: www.Pasternack.com</p> <p>Phone: 1.866.727.8376 1.949.261.1920</p>		<p>DESCRIPTION</p> <p>N MALE TO BNC MALE LOW LOSS CABLE USING LMR-400 COAX WITH HEATSHRINK</p>	
<p>PE PASTERNAK® an INFINIT® brand</p>		<p>ITEM NO. PE3W00904/HS</p>	
<p>SIZE A</p>		<p>REV 1</p>	
<p>CAGE CODE 53919</p>		<p>DRAWN BY KGLEBOVA</p>	

REVISION			
ZONE	REV	DESCRIPTION	DATE
	1	INITIAL RELEASE	12/03/2024
			CHANGED BY TDUFRENE
			APPROVED AGANWANI