



## BNC Male to N Female Low Loss Cable Using LMR-400 Coax

### RF Cable Assemblies Technical Data Sheet

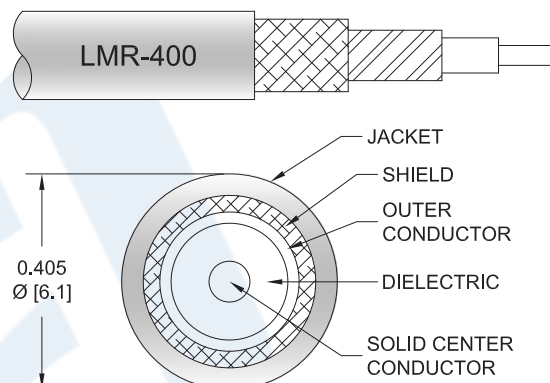
**PE3C6976**

#### Configuration

- Connector 1: BNC Male
- Connector 2: N Female
- Cable Type: LMR-400

#### Features

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



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C6976 BNC male to type N female 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 BNC to type N cable assembly has a male to female 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]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		1.65 [5.41]		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: [BNC Male to N Female Low Loss Cable Using LMR-400 Coax PE3C6976](#)



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#### Mechanical Specifications

##### Cable Assembly

Weight 0.216 lbs [97.98 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	BNC Male	N Female
Specification	MIL-STD-348	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Silver	Copper, Gold
Contact Plating Specification	QQ-S-365	
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Tri-Metal
Body Plating Specification	QQ-N-290	
Coupling Nut Material and Plating	Brass, Nickel	Brass, Tri-Metal
Coupling Nut Plating Specification	QQ-N-290	

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

#### Plotted and Other Data

Notes:

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 N Female Low Loss Cable Using LMR-400 Coax PE3C6976](#)



## BNC Male to N Female Low Loss Cable Using LMR-400 Coax

### RF Cable Assemblies Technical Data Sheet

**PE3C6976**

#### How to Order

Part Number Configuration:

**PE3C6976**

- **xx**

**uu**

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

Example: PE3C6976-12 = 12 inches long cable  
PE3C6976-100cm = 100 cm long cable

BNC Male to N Female Low Loss Cable Using LMR-400 Coax 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: [BNC Male to N Female Low Loss Cable Using LMR-400 Coax PE3C6976](#)

URL: <https://www.pasternack.com/bnc-male-to-n-female-low-loss-cable-using-lmr-400-pe3c6976-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.

PE3C6976 CAD Drawing  
BNC Male to N Female Low Loss Cable Using LMR-400 Coax

