

## Plenum BNC Male to TNC Male Low Loss Cable Using LMR-400-LLPX Coax with Times Microwave Components



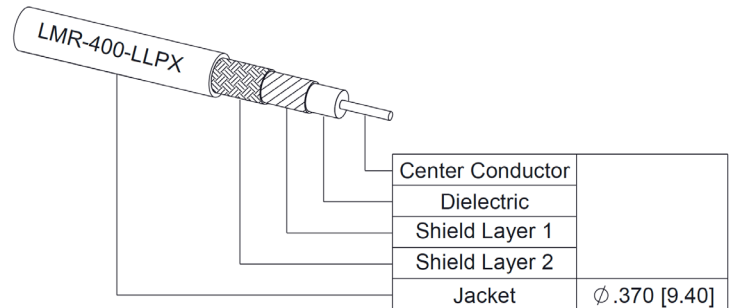
### PE3C10273

#### Configuration

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

#### Features

- Max Frequency 4 GHz
- Shielding Effectivity > 90 dB
- 76% Phase Velocity
- Double Shielded
- Fluoropolymer Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C10273 BNC male to TNC male cable using LMR-400-LLPX 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-LLPX coax. The PE3C10273 BNC male to TNC male cable assembly operates to 4 GHz. 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
Frequency Range	DC		4	GHz
VSWR			1.4:1	
Velocity of Propagation		76		%
RF Shielding	90			dB
Capacitance		26.7 [87.6]		pF/ft [pF/m]

#### Specifications by Frequency

Plenum BNC Male to TNC Male Low Loss Cable Using LMR-400-LLPX Coax with Times Microwave Components



**PE3C10273**

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency		100	250	500	1000	
PE3C10273	Custom Lengths Available	Insertion Loss (Typ.)	0.012	0.02	0.029	0.042	0.085	dB/ft	
			0.04	0.07	0.1	0.14	0.28	dB/m	
PE3C10273-12	12 Inch	Insertion Loss (Typ.)	0.22	0.22	0.23	0.25	0.29	dB	0.277
PE3C10273-24	24 Inch	Insertion Loss (Typ.)	0.23	0.24	0.26	0.29	0.37	dB	0.382
PE3C10273-36	36 Inch	Insertion Loss (Typ.)	0.24	0.26	0.29	0.33	0.46	dB	0.486
PE3C10273-48	48 Inch	Insertion Loss (Typ.)	0.25	0.28	0.32	0.37	0.54	dB	0.59
PE3C10273-60	60 Inch	Insertion Loss (Typ.)	0.26	0.3	0.35	0.41	0.63	dB	0.694

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1: 0.1 dB  
 Loss due to Connector 2: 0.1 dB  
 Base Weight: 0.277 pounds  
 Additional Weight per Inch: 0.7908 pounds

**Mechanical Specifications**

**Cable Assembly**

Width/Diameter 0.5 in [12.7 mm]  
 Weight 0.277 lbs [125.65 g]

**Cable**

Cable Type LMR-400-LLPX  
 Impedance 50 Ohms  
 Inner Conductor Type Solid  
 Inner Conductor Material and Plating Copper Clad Aluminum  
 Dielectric Type PTFE (LD)  
 Number of Shields 2  
 Shield Layer 1 Aluminum Tape  
 Shield Layer 2 Tinned Copper Braid  
 Jacket Material Fluoropolymer, Red  
 Jacket Diameter 0.37 in [9.4 mm]  
 Repeated Minimum Bend Radius 4 in [101.6 mm]

Plenum BNC Male to TNC Male Low Loss Cable Using LMR-400-LLPX Coax with Times Microwave Components



**PE3C10273**

**Connectors**

Description	Connector 1	Connector 2
Type	BNC Male	TNC Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Mating Cycles		500
Contact Material and Plating	Copper, Gold	Brass, Gold
Contact Plating Specification		50 µin minimum
Dielectric Type	PTFE	
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Plating Specification		80 µin minimum
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Plating Specification		80 µin minimum

**Environmental Specifications**

Operating Range Temperature -40 to +125 deg C

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

**Plotted and Other Data**

Notes:

## Plenum BNC Male to TNC Male Low Loss Cable Using LMR-400-LLPX Coax with Times Microwave Components



### PE3C10273

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE3C10273**

- **xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C10273-12 = 12 inches long cable  
PE3C10273-100cm = 100 cm long cable

Plenum BNC Male to TNC Male Low Loss Cable Using LMR-400-LLPX 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: [Plenum BNC Male to TNC Male Low Loss Cable Using LMR-400-LLPX Coax with Times Microwave Components PE3C10273](https://www.pasternack.com/plenum-bnc-male-to-tnc-male-low-loss-cable-using-lmr-400-llpx-pe3c10273-p.aspx)

URL: <https://www.pasternack.com/plenum-bnc-male-to-tnc-male-low-loss-cable-using-lmr-400-llpx-pe3c10273-p.aspx>

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

# PE3C10273 CAD Drawing

Plenum BNC Male to TNC Male Low Loss Cable Using LMR-400-LLPX Coax with Times Microwave Components

