

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



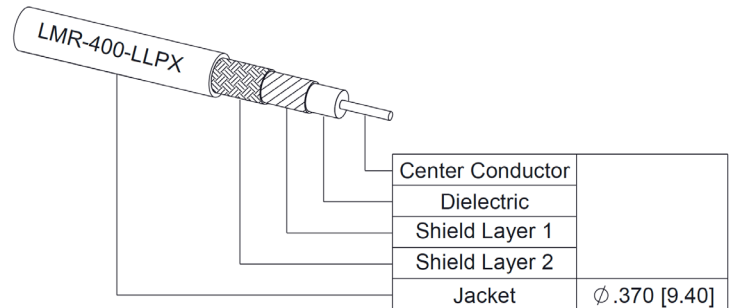
### PE3C10276

#### Configuration

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

#### Features

- Max Frequency 5.8 GHz
- Shielding Effectivity > 90 dB
- 76% Phase Velocity
- Double Shielded
- Fluoropolymer Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C10276 type N 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 type N to TNC cable assembly has a male to male gender configuration with 50 ohm flexible LMR-400-LLPX coax. The PE3C10276 type N male to TNC male cable assembly operates to 5.8 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		5.8	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

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### PE3C10276

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency		250	500	1000	2500	
PE3C10276	Custom Lengths Available	Insertion Loss (Typ.)	0.02	0.029	0.042	0.068	0.107	dB/ft	
			0.07	0.1	0.14	0.23	0.36	dB/m	
PE3C10276-12	12 Inch	Insertion Loss (Typ.)	0.22	0.23	0.25	0.27	0.31	dB	0.291
PE3C10276-24	24 Inch	Insertion Loss (Typ.)	0.24	0.26	0.29	0.34	0.42	dB	0.396
PE3C10276-36	36 Inch	Insertion Loss (Typ.)	0.26	0.29	0.33	0.41	0.53	dB	0.5
PE3C10276-48	48 Inch	Insertion Loss (Typ.)	0.28	0.32	0.37	0.48	0.63	dB	0.604
PE3C10276-60	60 Inch	Insertion Loss (Typ.)	0.3	0.35	0.41	0.54	0.74	dB	0.708

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:	0.291 pounds
Additional Weight per Inch:	0.7908 pounds

### Mechanical Specifications

#### Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.291 lbs [132 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]

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#### Connectors

Description	Connector 1	Connector 2
Type	N Male	TNC Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Mating Cycles		500
Contact Material and Plating	Beryllium Bronze, Gold	Brass, Gold
Contact Plating Specification	50 µin minimum	50 µin minimum
Dielectric Type	PTFE	
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Plating Specification	100 µin minimum	80 µin minimum
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Plating Specification	100 µin minimum	80 µin minimum
Hex Size	20.57 mm	
Torque	18.417 ft-lbs 24.97 Nm	

#### Environmental Specifications

Operating Range Temperature -40 to +125 deg C

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

#### Plotted and Other Data

Notes:

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### PE3C10276

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE3C10276**

- **xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C10276-12 = 12 inches long cable  
PE3C10276-100cm = 100 cm long cable

Plenum N 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 N Male to TNC Male Low Loss Cable Using LMR-400-LLPX Coax with Times Microwave Components PE3C10276](#)

URL: <https://www.pasternack.com/plenum-n-male-to-tnc-male-low-loss-cable-using-lmr-400-llpx-pe3c10276-p.aspx>

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# PE3C10276 CAD Drawing

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