

N Male Right Angle to TNC Male Right Angle Low Loss Cable  
Using LMR-400 Coax with HeatShrink and 270 Deg. Clock

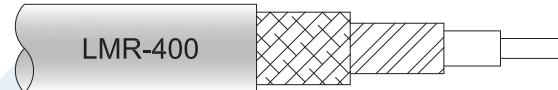


**RF Cable Assemblies Technical Data Sheet**

**PE3W03732/SP**

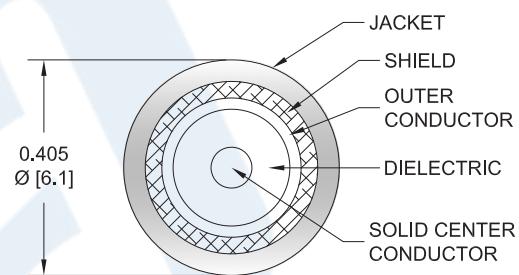
**Configuration**

- Connector 1: N Male Right Angle
- Connector 2: TNC Male Right Angle
- Cable Type: LMR-400



**Features**

- Max Frequency 6 GHz
- Shielding Effectivity > 90 dB
- 85% Phase Velocity
- Double Shielded
- PE Jacket



**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE3W03732/SP type N male right angle to TNC male right angle 12 inch 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 TNC cable assembly has a male to male gender configuration with 50 ohm flexible LMR-400 coax. The PE3W03732/SP type N male to TNC male cable assembly operates to 6 GHz. The right angle type N and right angle TNC interfaces on the LMR-400 cable allow for easier connections in tight spaces. 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: [N Male Right Angle to TNC Male Right Angle Low Loss Cable Using LMR-400 Coax with HeatShrink and 270 Deg. Clock PE3W03732/SP](#)

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#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.4:1	
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

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	6	GHz
Insertion Loss (Typ.)	0.02	0.028	0.041	0.068	0.11	dB/ft

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB per connector.

#### Mechanical Specifications

##### Cable Assembly

Weight 0.289 lbs [131.09 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]

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Bending Moment  
Flat Plate Crush  
Tensile Strength

0.5 lbs-ft [0.68 N-m]  
40 lbs/in [0.71 Kg/mm]  
160 lbs [72.57 Kg]

#### Connectors

Description	Connector 1	Connector 2
Type	N Male Right Angle	TNC Male Right Angle
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Mating Cycles	500	
Contact Material and Plating	Brass, Gold	Brass, Silver
Contact Plating Specification	30 $\mu$ in minimum	
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Silver
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Silver

#### Environmental Specifications

##### Temperature

Operating Range

-40 to +85 deg C

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

#### Plotted and Other Data

Notes:

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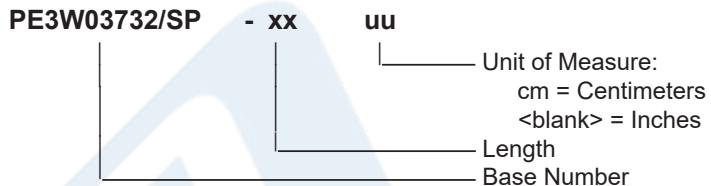


**RF Cable Assemblies Technical Data Sheet**

**PE3W03732/SP**

**How to Order**

Part Number Configuration:



Example: PE3W03732/SP-12 = 12 inches long cable  
PE3W03732/SP-100cm = 100 cm long cable

N Male Right Angle to TNC Male Right Angle Low Loss Cable Using LMR-400 Coax with HeatShrink and 270 Deg. Clock 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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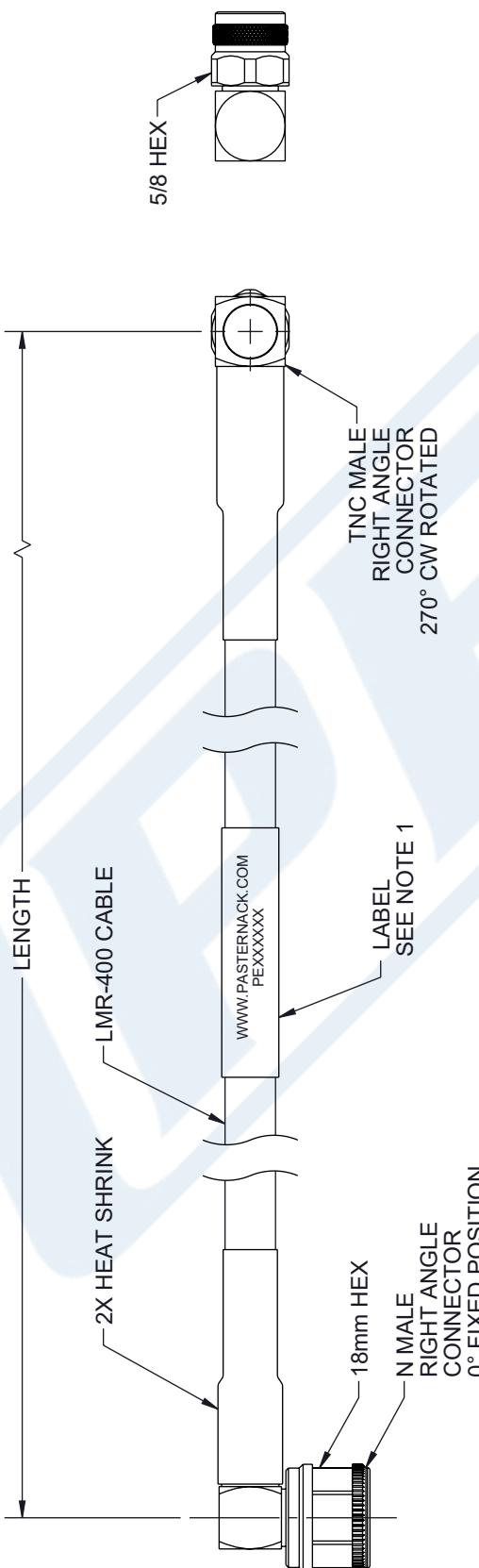
URL: <https://www.pasternack.com/n-male-right-angle-to-tnc-male-low-loss-cable-using-lmr-400-with-heatshrink-and-270-deg.-clock-pe3w03732-sp-p.aspx>

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PE3W03732/SP CAD Drawing

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ZONE	REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED BY
	A	INITIAL RELEASE	01/03/2023	HEAKKE	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. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
- 2.

## NOTES:

1

 <p><b>PASTERNACK®</b> an INFINITI® brand</p>	<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p>		REV A
	SCALE NONE	SHEET 1 OF 1	
<p>DESCRIPTION N Male Right Angle to TNC Male Right Angle Low Loss Cable Using LMR-400 Coax with HeatShrink and 270 Deg. Clock</p>		ITEM NO. PE3W03732/SP	
<p>SIZE A</p> <p>CAGE CODE 53919</p> <p>DRAWN BY HBAKKE</p>			
<p>NOTES 1. TOLERANCES: ±0.010" (0.25 mm) unless otherwise specified. 2. DIMENSIONS ARE IN INCHES. 3. DRAWINGS ARE NOT TO SCALE. 4. DRAWINGS ARE FOR INFORMATION ONLY. 5. THIS DRAWING IS THE PROPERTY OF PASTERNACK. 6. NO. OF COPIES: 1.</p>		SIZE A	

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