

## TNC Male to N Female Bulkhead Cable Using LMR-200 Coax

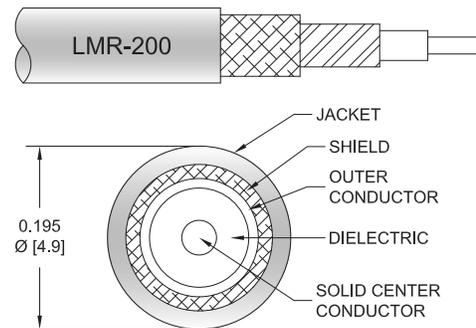
### PE3W15070

#### Configuration

- Connector 1: TNC Male
- Connector 2: N Female Bulkhead
- Cable Type: LMR-200
- Coax Flex Type: Flexible

#### Features

- Shielding Effectivity > 90 dB
- 83% Phase Velocity
- Double Shielded
- PE Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W15070 TNC male to type N female bulkhead cable using LMR-200 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 TNC to type N cable assembly has a male to female gender configuration with 50 ohm flexible LMR-200 coax. Our RF cable assembly with type N bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. 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		83		%
RF Shielding	90			dB
Group Delay		1.22 [4]		ns/ft [ns/m]
Capacitance		24.5 [80.38]		pF/ft [pF/m]
Inductance		0.061 [0.2]		uH/ft [uH/m]
DC Resistance Inner Conductor		5.36 [17.59]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		4.9 [16.08]		Ohms/1000ft [Ohms/Km]

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#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Jacket Spark			3,000	Vrms

#### Mechanical Specifications

##### Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.156 lbs [70.76 g]

##### Cable

Cable Type	LMR-200
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
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	0.195 in [4.95 mm]
One Time Minimum Bend Radius	0.5 in [12.7 mm]
Repeated Minimum Bend Radius	2 in [50.8 mm]
Bending Moment	0.2 lbs-ft [0.27 N-m]
Flat Plate Crush	15 lbs/in [0.27 Kg/mm]
Tensile Strength	40 lbs [18.14 Kg]

#### Connectors

Description	Connector 1	Connector 2
Type	TNC Male	N Female Bulkhead
Specification		IEC 61169-16
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Mating Cycles		500
Contact Material and Plating		Copper, Silver
Contact Plating Specification		5 µm minimum
Dielectric Type		PTFE
Outer Conductor Material and Plating		Brass, Tri-Metal
Outer Conductor Plating Specification		2 µm minimum
Body Material and Plating	Brass, Nickel	
Hex Size		1/2 inch

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#### Environmental Specifications

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

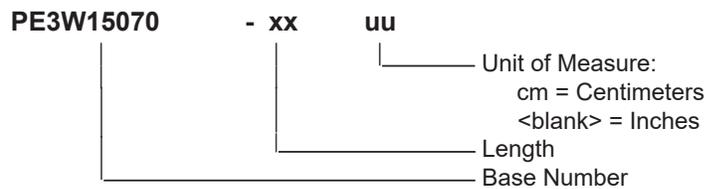
#### Plotted and Other Data

Notes:

#### Typical Performance Data

#### How to Order

Part Number Configuration:



Example: PE3W15070-12 = 12 inches long cable  
PE3W15070-100cm = 100 cm long cable

TNC Male to N Female Bulkhead Cable Using LMR-200 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.

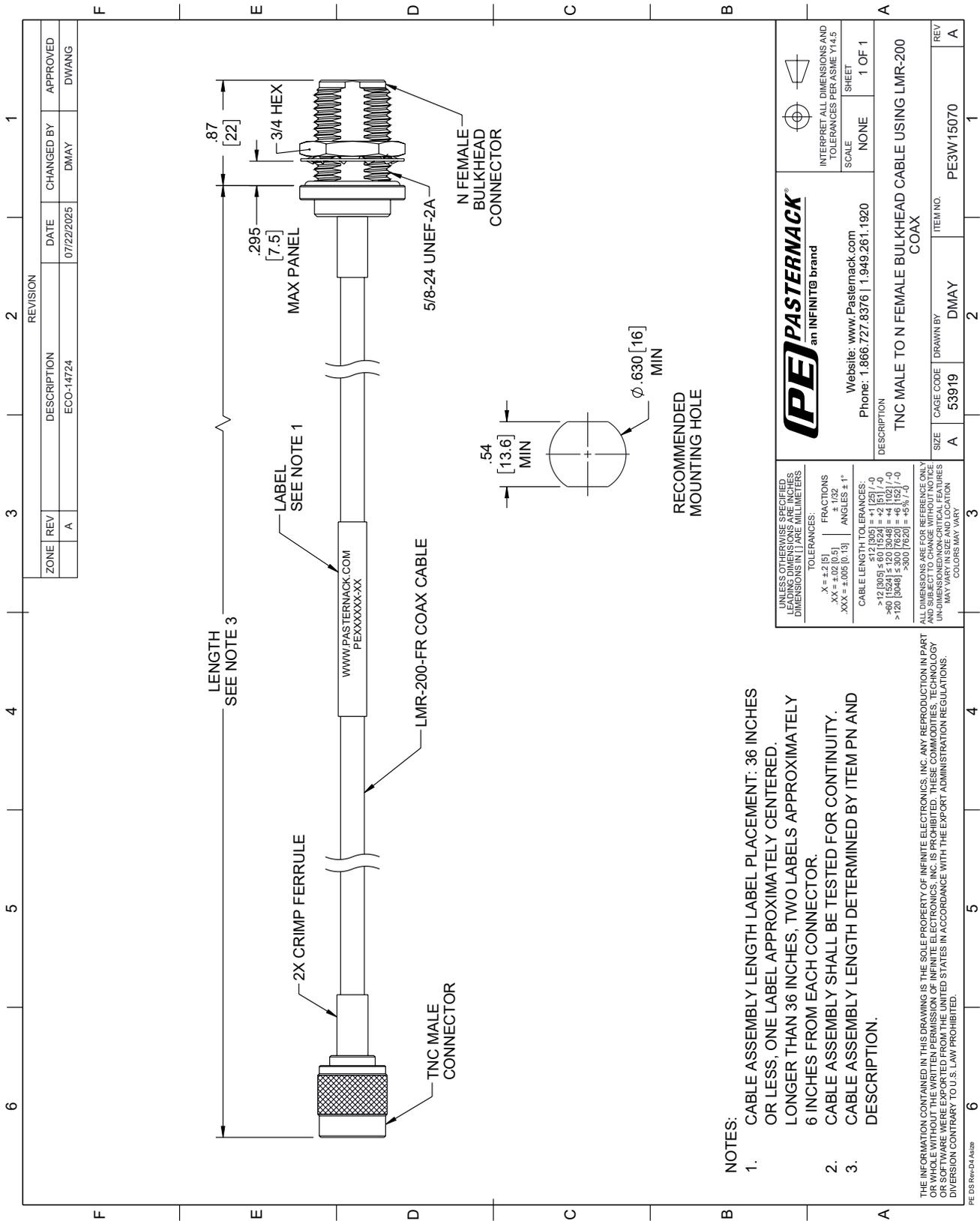
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male to N Female Bulkhead Cable Using LMR-200 Coax PE3W15070](#)

URL: <https://www.pasternack.com/tnc-male-to-n-female-bulkhead-cable-using-lmr-200-pe3w15070-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.

# PE3W15070 CAD Drawing

TNC Male to N Female Bulkhead Cable Using LMR-200 Coax



ZONE		REVISION		DATE		CHANGED BY		APPROVED	
A	REV	DESCRIPTION	ECO-14724	07/22/2025	DMAY	DMAY	DWANG		

**PE PASTERNAK**  
an INFINITE brand

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE IN MILLIMETERS.

TOLERANCES:  
 .X = ±.2 [5] FRACTIONS ±.1 [2]  
 .XX = ±.02 [0.5] ANGLES ± 1°  
 .XXX = ±.005 [0.13]

CABLE LENGTH TOLERANCES:  
 >12 [305] ≤.60 [1524] = ±.125 [-0]  
 >12 [305] ≤.60 [1524] = ±.151 [-0]  
 >12 [305] ≤.60 [1524] = ±.152 [-0]  
 >120 [3048] ≤.300 [7620] = ±.6 [152] [-0]  
 >300 [7620] = ±.6% [-0]

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE UNLESS INDICATED OTHERWISE. DIMENSIONS MAY VARY. COLORS MAY VARY.

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE NONE SHEET 1 OF 1

Website: [www.pasternack.com](http://www.pasternack.com)  
 Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION  
 TNC MALE TO N FEMALE BULKHEAD CABLE USING LMR-200 COAX

SIZE A CAGE CODE 53919 DRAWN BY DMAY ITEM NO. PE3W15070 REV A

- NOTES:**
- 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 ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
  - CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

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PE DS Rev-04/2025