



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

### TECHNICAL DATA SHEET

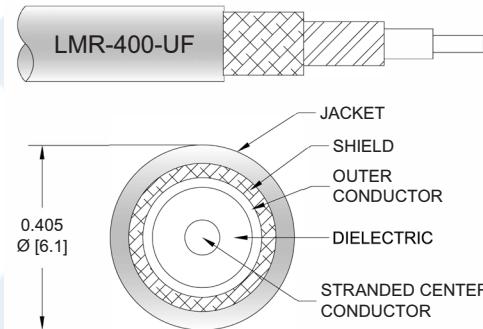
**PE3W05317**

#### Configuration

- Connector 1: N Male
- Connector 2: N Female Bulkhead
- Cable Type: LMR-400-UF
- Coax Flex Type: Flexible

#### Features

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



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W05317 type N male to type N female bulkhead cable using LMR-400-UF 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 type N cable assembly has a male to female gender configuration with 50 ohm flexible LMR-400-UF 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to N Female Bulkhead Low Loss Cable Using LMR-400-UF Coax PE3W05317](#)



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#### 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		1.07 [3.51]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		1.65 [5.41]		Ω/1000ft [Ω/Km]
Jacket Spark			8,000	Vrms

#### Mechanical Specifications

##### Cable Assembly

Weight 0.289 lbs [131.09 g]

##### Cable

Cable Type LMR-400-UF  
Impedance 50 Ohms  
Inner Conductor Type Stranded  
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 TPE, 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 0.38 lbs-ft [0.52 N-m]  
Flat Plate Crush 20 lbs/in [0.36 Kg/mm]  
Tensile Strength 160 lbs [72.57 Kg]

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#### Connectors

Description	Connector 1	Connector 2
Type	N Male Threaded	N Female Bulkhead Threaded
Specification	MIL-STD-348	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Mating Cycles		500
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	ASTM-B488	30 $\mu$ in minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Tri-Metal
Body Plating Specification	ASTM-B689	
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	ASTM-B689	

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

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**PE3W05317**

#### How to Order

Part Number Configuration:

**PE3W05317**- **xx****uu**

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

Example: PE3W05317-12 = 12 inches long cable  
PE3W05317-100cm = 100 cm long cable

N Male to N Female Bulkhead Low Loss Cable Using LMR-400-UF 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: [N Male to N Female Bulkhead Low Loss Cable Using LMR-400-UF Coax PE3W05317](#)

URL: <https://www.pasternack.com/n-male-to-n-female-bulkhead-low-loss-cable-using-lmr-400-uf-pe3w05317-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.

# PE3W05317 CAD Drawing

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