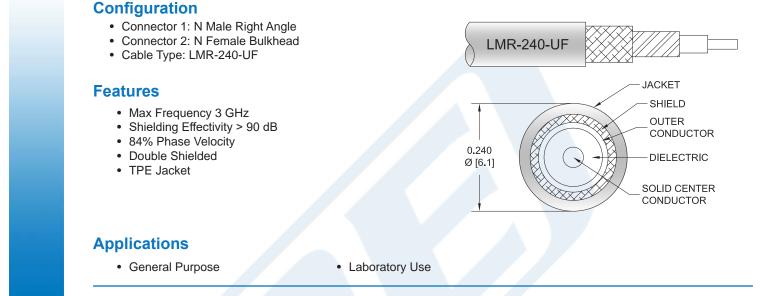


N Male Right Angle to N Female Bulkhead Cable 60 Inch Length Using LMR-240-UF Coax



RF Cable Assemblies Technical Data Sheet

PE3W06441-60



Description

Pasternack's PE3W06441-60 type N male right angle to type N female bulkhead 60 inch cable using LMR-240-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-240-UF coax. The PE3W06441-60 type N male to type N female cable assembly operates to 3 GHz. The right angle type N interface on the LMR-240-UF cable allows for easier connections in tight spaces. 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 Right Angle to N Female Bulkhead Cable 60 Inch Length Using LMR-240-UF Coax PE3W06441-60

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451 Sales@Pasternack.com • Techsupport@Pasternack.com



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Electrical Specifications

Minimum	Typical	Maximum	Units
DC		3	GHz
	84		%
90			dB
	1.21 [3.97]		ns/ft [ns/m]
	24.2 [79.4]		pF/ft [pF/m]
	0.06 [0.2]		uH/ft [uH/m]
	4.28 [14.04]		Ohms/1000ft [Ohms
	3.89 [12.76]		Ohms/1000ft [Ohms
		5,000	Vrms
	DC	DC 84 90 1.21 [3.97] 24.2 [79.4] 0.06 [0.2] 4.28 [14.04]	DC 3 84 90 1.21 [3.97] 24.2 [79.4] 0.06 [0.2] 4.28 [14.04] 3.89 [12.76]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	3	GHz
Insertion Loss (Max.)	0.43	0.53	0.68	0.98	1.04	dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.2dB of connectro loss.

Mechanical Specifications

Cable Assembly
Length*
Diameter

Cable

Cable Type Impedance Inner Conductor Type Inner Conductor Material and Plating Dielectric Type Number of Shields Shield Layer 1 Shield Layer 2 60 in [152.4 cm] 0.87 in [22.1 mm]

LMR-240-UF 50 Ohms Stranded Copper PE (F) 2 Aluminum Tape Tinned Copper Braid

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Jacket Material Jacket Diameter

One Time Minimum Bend Radius Repeated Minimum Bend Radius Bending Moment Flat Plate Crush Tensile Strength PE3W06441-60

0.75 in [19.05 mm] 2.5 in [63.5 mm] 0.13 lbs-ft [0.18 N-m] 13 lbs/in [0.23 Kg/mm]

80 lbs [36.29 Kg]

TPE, Black

0.24 in [6.1 mm]

Connectors

Description	Connector 1	Connector 2 N Female Bulkhead	
Туре	N Male Right Angle		
Specification		MIL-STD-348A	
Impedance	50 Ohms	50 Ohms	
Mating Cycles		500	
Contact Material and Plating	Brass, Gold	Brass, Gold	
Contact Plating Specification		30 µin minimum	
Dielectric Type	PTFE	PTFE	
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal	

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or \pm 3/8", whichever is greater.

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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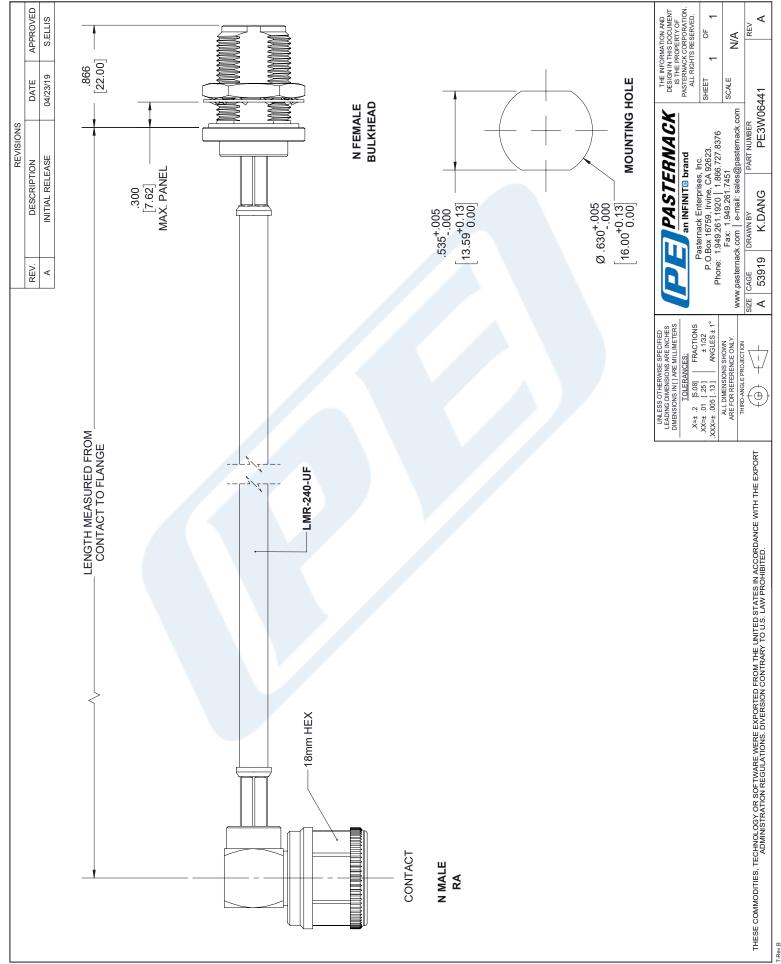
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RF Cable Assemblies Technical Data Sheet

How to Order PE3W06441 Part Number Configuration: - XX uu Unit of Measure: cm = Centimeters <blank> = Inches Length Base Number Example: PE3W06441-12 = 12 inches long cable PE3W06441-100cm = 100 cm long cable N Male Right Angle to N Female Bulkhead Cable 60 Inch Length Using LMR-240-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 Right Angle to N Female Bulkhead Cable 60 Inch Length Using LMR-240-UF Coax PE3W06441-60 URL: https://www.pasternack.com/n-male-n-female-Imr240uf-cable-assembly-pe3w06441-60-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.

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PE3W06441-60 CAD Drawing N Male Right Angle to N Female Bulkhead Cable 60 Inch Length Using LMR-240-UF Coax



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