

## N Male Right Angle to N Male Low Loss Cable Using LMR-240-UF Coax with HeatShrink



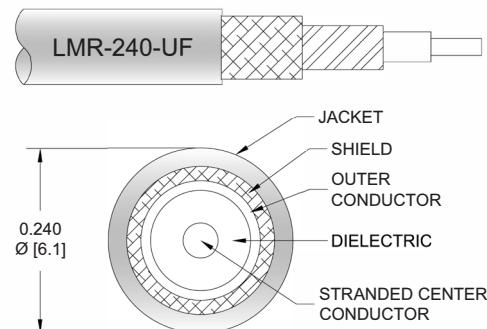
### PE3W03376/HS

#### Configuration

- Connector 1: N Male Right Angle
- Connector 2: N Male
- Cable Type: LMR-240-UF
- Coax Flex Type: Flexible

#### Features

- Max Frequency 8 GHz
- Shielding Effectivity > 90 dB
- 84% Phase Velocity
- Double Shielded
- TPE Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W03376/HS type N male right angle to type N male 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 male gender configuration with 50 ohm flexible LMR-240-UF coax. The PE3W03376/HS type N male to type N male cable assembly operates to 8 GHz. The right angle type N interface on the LMR-240-UF cable allows 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.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
VSWR			1.4:1	
Velocity of Propagation		84		%
RF Shielding	90			dB
Group Delay		1.21 [3.97]		ns/ft [ns/m]
Capacitance		24.2 [79.4]		pF/ft [pF/m]
Inductance		0.06 [0.2]		uH/ft [uH/m]
DC Resistance Inner Conductor		4.28 [14.04]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		3.89 [12.76]		Ohms/1000ft [Ohms/Km]

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#### Electrical Specifications

Description	Minimum	Typical				Maximum	Units
Jacket Spark					5,000		Vrms

#### Specifications by Frequency

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	500	1000	2000	4000	8000	MHz	
PE3W03376/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.066	0.096	0.138	0.155	0.244	dB/ft	
			0.22	0.32	0.46	0.51	0.81	dB/m	
PE3W03376/HS-12	12 inch	Insertion Loss (Typ.)	0.37	0.4	0.44	0.46	0.55	dB	0.126
PE3W03376/HS-24	24 inch	Insertion Loss (Typ.)	0.44	0.5	0.58	0.61	0.79	dB	0.159
PE3W03376/HS-36	36 inch	Insertion Loss (Typ.)	0.5	0.59	0.72	0.77	1.04	dB	0.191
PE3W03376/HS-60	60 inch	Insertion Loss (Typ.)	0.63	0.78	0.99	1.08	1.52	dB	0.255
PE3W03376/HS-300	300 inch	Insertion Loss (Typ.)	1.95	2.7	3.75	4.18	6.4	dB	0.895

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: 0.2 dB  
Loss due to Connector 2: 0.1 dB  
Base Weight: 0.126 pounds  
Additional Weight per Inch: 0.00267 pounds

#### Mechanical Specifications

##### Cable Assembly

Width/Diameter 0.5 in [12.7 mm]  
Weight 0.199 lbs [90.26 g]

##### Cable

Cable Type LMR-240-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 0.24 in [6.1 mm]  
One Time Minimum Bend Radius 0.75 in [19.05 mm]  
Repeated Minimum Bend Radius 2.5 in [63.5 mm]  
Bending Moment 0.13 lbs-ft [0.18 N-m]  
Flat Plate Crush 13 lbs/in [0.23 Kg/mm]  
Tensile Strength 80 lbs [36.29 Kg]

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#### Connectors

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

#### Environmental Specifications

Operating Range Temperature -40 to +85 deg C

#### Compliance Certifications

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

#### Plotted and Other Data

Notes:

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### PE3W03376/HS

#### Typical Performance Data

#### How to Order

Part Number Configuration:

PE3W03376/HS - xx uu

Unit of Measure:  
cm = Centimeters  
<blank> = Inches

Length

Base Number

Example: PE3W03376/HS-12 = 12 inches long cable  
PE3W03376/HS-100cm = 100 cm long cable

N Male Right Angle to N Male Low Loss Cable Using LMR-240-UF Coax with HeatShrink 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 Male Low Loss Cable Using LMR-240-UF Coax with HeatShrink PE3W03376/HS](#)

URL: <https://www.pasternack.com/n-male-right-angle-to-n-male-low-loss-cable-using-lmr-240-uf-with-heatshrink-pe3w03376-hs-p.aspx>

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# PE3W03376/HS CAD Drawing

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