

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



### RF Cable Assemblies Technical Data Sheet

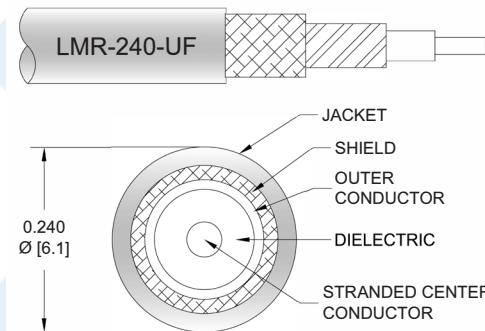
**PE3C1879/HS**

#### Configuration

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

#### Features

- Max Frequency 5.8 GHz
- Shielding Effectivity > 90 dB
- 84% Phase Velocity
- Double Shielded
- TPE Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C1879/HS type N male to type N male right angle 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 PE3C1879/HS type N male to type N male cable assembly operates to 5.8 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.

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 Male Right Angle Low Loss Cable Using LMR-240-UF Coax with HeatShrink PE3C1879/HS](#)



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**PE3C1879/HS**

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	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]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		3.89 [12.76]		Ω/1000ft [Ω/Km]
Jacket Spark			5,000	Vrms

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5.8	GHz
Insertion Loss (Typ.)	0.046	0.066	0.095	0.155	0.244	dB/ft
	0.15	0.22	0.31	0.51	0.8	dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

#### Mechanical Specifications

##### Cable Assembly

Weight 0.217 lbs [98.43 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

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



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**PE3C1879/HS**

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]

### Connectors

Description	Connector 1	Connector 2
Type	N Male	N Male Right Angle
Specification	MIL-STD-348	
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Material and Plating	Brass, Tri-Metal	

### 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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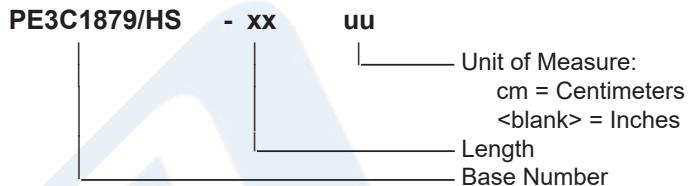


### RF Cable Assemblies Technical Data Sheet

**PE3C1879/HS**

#### How to Order

Part Number Configuration:



Example: PE3C1879/HS-12 = 12 inches long cable  
PE3C1879/HS-100cm = 100 cm long cable

N Male to N Male Right Angle 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 to N Male Right Angle Low Loss Cable Using LMR-240-UF Coax with HeatShrink PE3C1879/HS](#)

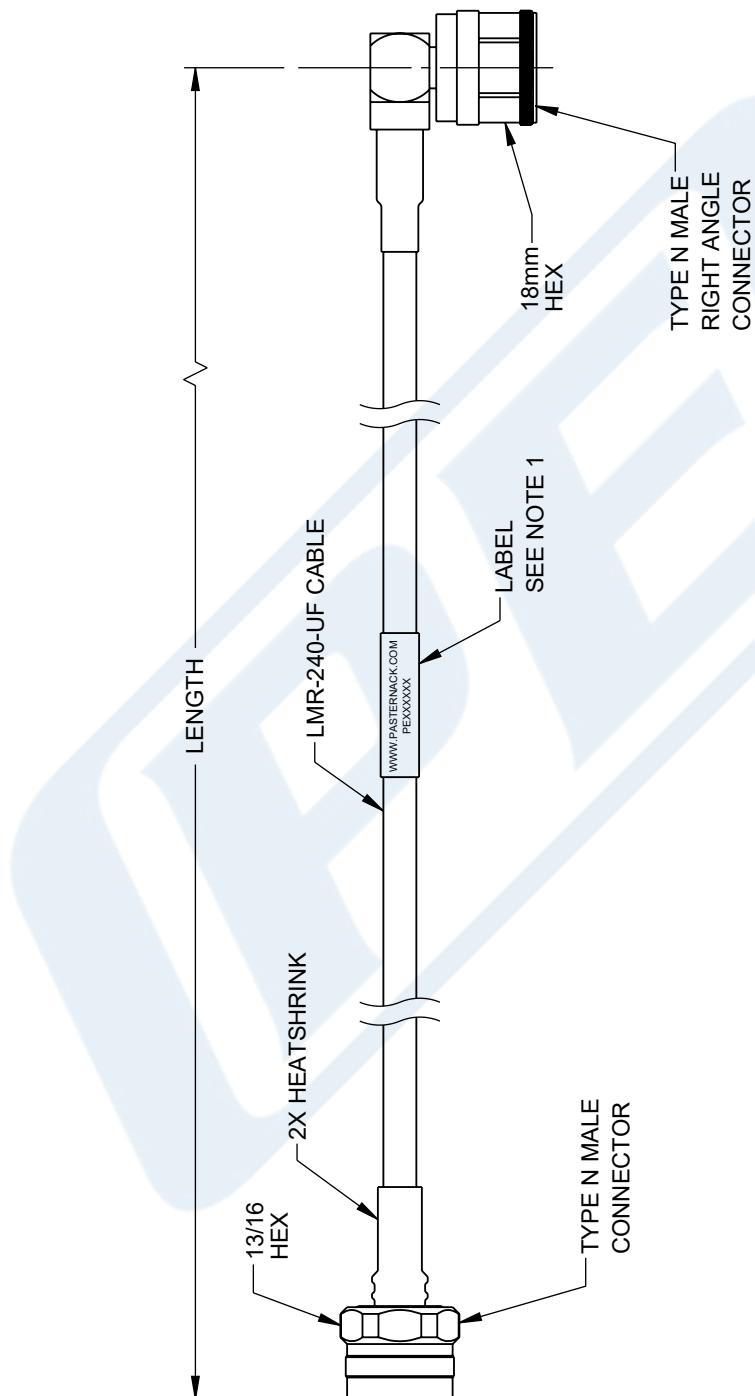
URL: <https://www.pasternack.com/n-male-to-n-male-low-loss-cable-using-lmr-240-uf-with-heatshrink-pe3c1879-hs-p.aspx>

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PE3C1879/HS CAD Drawing

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

ZONE	REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED BY
	A	INITIAL RELEASE	05/22/2023	BPUCHASKI	AGANWAN



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.

2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY

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				SCALE	SHEET
				NONE	1 OF 1
<b>DESCRIPTION</b> <b>N Male to N Male Right Angle Low Loss Cable Using LMR-240-UF</b> <b>Coax with HeatShrink</b>					
SIZE A	CAGE CODE 53919	DRAWN BY BPUCHASKI	ITEM NO. PE3C1879/HS	REV A	