

BNC Male to SMA Male Right Angle Cable 100 cm Length Using LMR-240-UF Coax with HeatShrink



# **RF Cable Assemblies Technical Data Sheet**

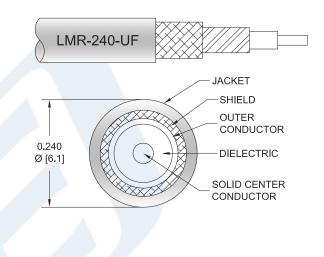
## PE3W07122/HS-100CM

## Configuration

- Connector 1: BNC Male
- Connector 2: SMA Male Right Angle
- Cable Type: LMR-240-UF

#### Features

- Shielding Effectivity > 90 dB
- 84% Phase Velocity
- Double Shielded
- TPE Jacket



### Applications

General Purpose

Laboratory Use

#### Description

Pasternack's PE3W07122/HS-100CM BNC male to SMA male right angle 100 cm 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 BNC to SMA cable assembly has a male to male gender configuration with 50 ohm flexible LMR-240-UF coax. The right angle SMA 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: BNC Male to SMA Male Right Angle Cable 100 cm Length Using LMR-240-UF Coax with HeatShrink PE3W07122/HS-100CM

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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## PE3W07122/HS-100CM

#### **Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
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]				
Jacket Spark			5,000	Vrms

#### **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 Jacket Material Jacket Diameter

One Time Minimum Bend Radius Repeated Minimum Bend Radius Bending Moment Flat Plate Crush Tensile Strength 39.37 in [100 cm] 0.57 in [14.48 mm]

LMR-240-UF 50 Ohms Stranded Copper PE (F) 2 Aluminum Tape Tinned Copper Braid TPE, Black 0.24 in [6.1 mm]

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]

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#### Connectors

Description	Connector 1	Connector 2	
Туре	BNC Male	SMA Male Right Angle	
Specification	MIL-STD-348A	MIL-STD-348	
Impedance	50 Ohms	50 Ohms	
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold	
Contact Plating Specification	3 µin minimum	ASTM B488	
Dielectric Type	PTFE	Teflon	
Body Material and Plating	Brass, Nickel	Brass, Tri-Metal	
Body Plating Specification	100 µin minimum		
Coupling Nut Material and Plating	Brass, Nickel	Brass, Tri-Metal	
Coupling Nut Plating Specification	100 µin minimum		
Hex Size		16-May Inch	

Mechanical Specification Notes:

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

Compliance Certifications (see product page for current document)

**Plotted and Other Data** 

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: BNC Male to SMA Male Right Angle Cable 100 cm Length Using LMR-240-UF Coax with HeatShrink PE3W07122/HS-100CM

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## PE3W07122/HS-100CM

Part Number Configuration:	PE3W07122/HS - xx uu
U	Unit of Measure: cm = Centimeters <blank> = Inches Length Base Number</blank>
Example: PE3W07122/HS-12 = 12 PE3W07122/HS-100cm	2 inches long cable
	e 100 cm Length Using LMR-240-UF Coax with HeatShrink from Pasternack mestic and International orders. Our RF, microwave and millimeter wave product of the broadest selection in the industry.
	er in "SEARCH" on website) to obtain additional part information including price, SMA Male Right Angle Cable 100 cm Length Using LMR-240-UF Coax with
URL: https://www.pasternack.com/bnc-ma	le-sma-male-Imr240uf-cable-assembly-pe3w07122-hs-100cm-p.aspx
URL: https://www.pasternack.com/bnc-ma	le-sma-male-Imr240uf-cable-assembly-pe3w07122-hs-100cm-p.aspx
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# **PE3W07122/HS-100CM CAD Drawing** BNC Male to SMA Male Right Angle Cable 100 cm Length

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