

HN Male Right Angle to HN Male Cable Using RG393 Coax



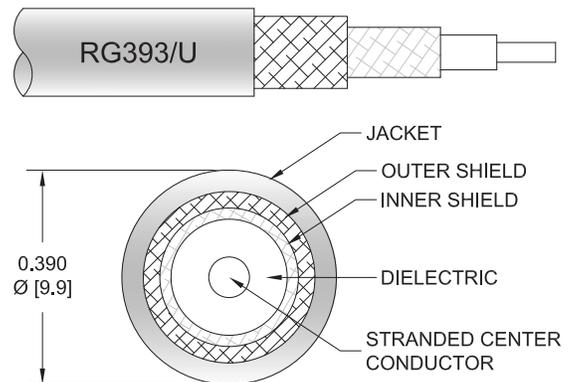
PE3C1040

Configuration

- Connector 1: HN Male Right Angle
- Connector 2: HN Male
- Cable Type: RG393
- Coax Flex Type: Flexible

Features

- Max Frequency 3 GHz
- 69.5% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C1040 HN male right angle to HN male cable using RG393 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 HN to HN cable assembly has a male to male gender configuration with 50 ohm flexible RG393 coax. The PE3C1040 HN male to HN male cable assembly operates to 3 GHz. The right angle HN interface on the RG393 cable allows for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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		3	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency					MHz	
PE3C1040	Custom Lengths Available	Insertion Loss (Typ.)	0.021	0.03	0.045	0.075	0.143	dB/ft	
			0.07	0.1	0.15	0.25	0.47	dB/m	
PE3C1040-12	12 inch	Insertion Loss (Typ.)	0.33	0.33	0.35	0.38	0.45	dB	0.536
PE3C1040-24	24 inch	Insertion Loss (Typ.)	0.35	0.36	0.39	0.45	0.59	dB	0.7
PE3C1040-36	36 inch	Insertion Loss (Typ.)	0.37	0.39	0.44	0.53	0.73	dB	0.863
PE3C1040-60	60 inch	Insertion Loss (Typ.)	0.41	0.45	0.53	0.68	1.02	dB	1.189
PE3C1040-72	72 inch	Insertion Loss (Typ.)	0.43	0.48	0.57	0.75	1.16	dB	1.352

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:	0.536 pounds
Additional Weight per Inch:	0.01359 pounds

Mechanical Specifications

Cable Assembly

Weight 0.536 lbs [243.13 g]

Cable

Cable Type	RG393
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.39 in [9.91 mm]
Repeated Minimum Bend Radius	3.9 in [99.06 mm]

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Connectors

Description	Connector 1	Connector 2
Type	HN Male Right Angle	HN Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 µin minimum	100 µin minimum

Environmental Specifications

Operating Range Temperature -55 to +165 deg C

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

Plotted and Other Data

Notes:

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PE3C1040

Typical Performance Data

How to Order

Part Number Configuration:

PE3C1040

- **xx**

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Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C1040-12 = 12 inches long cable
PE3C1040-100cm = 100 cm long cable

HN Male Right Angle to HN Male Cable Using RG393 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.

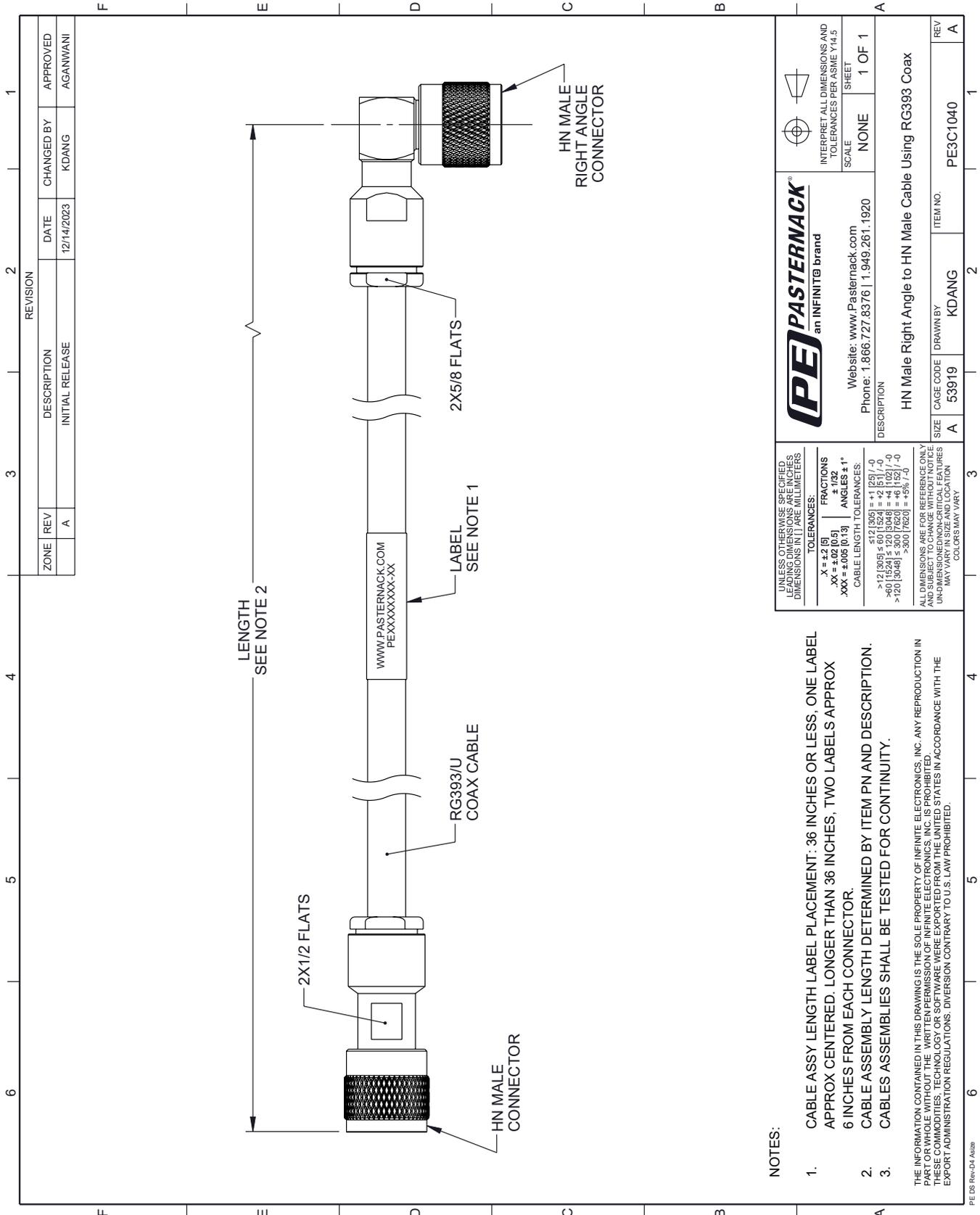
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Right Angle to HN Male Cable Using RG393 Coax PE3C1040](#)

URL: <https://www.pasternack.com/hn-male-right-angle-to-hn-male-cable-using-rg393-pe3c1040-p.aspx>

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PE3C1040 CAD Drawing

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NOTES:

1. CABLE ASSY LENGTH LABEL PLACEMENT: .36 INCHES OR LESS, ONE LABEL APPROX CENTERED, LONGER THAN .36 INCHES, TWO LABELS APPROX .6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
3. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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PE DS Rev-D4 A4326

REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV			
	A	12/14/2023	KDANG	AGANWANI
DESCRIPTION				
INITIAL RELEASE				

PASTERNAK an INFINITE brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE NONE SHEET 1 OF 1
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		
DESCRIPTION		
HN Male Right Angle to HN Male Cable Using RG393 Coax		
SIZE	CAGE CODE	ITEM NO.
A	53919	PE3C1040
DRAWN BY		REV
KDANG		A

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES, DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:	ANGLES ± 1°
.X = ±.2 [5]	± 1/32
.XX = ±.02 [0.5]	
.XXX = ±.005 [0.13]	

CABLE LENGTH TOLERANCES:

<12 [305]	±.1 [2.5]
>12 [305] ≤ 60 [1524]	±.2 [5.1]
>60 [1524] ≤ 120 [3048]	±.4 [10.2]
>120 [3048] ≤ 300 [7620]	±.8 [20.3]
>300 [7620]	±.9% [7.6]

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.