

HN Male Right Angle to HN Male Right Angle Cable Using RG393 Coax



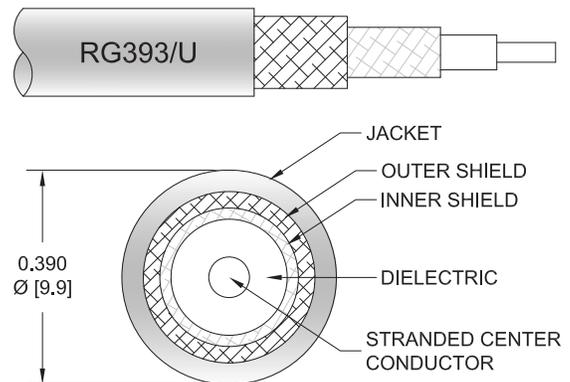
PE33285

Configuration

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

Features

- Max Frequency 3 GHz
- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE33285 HN male right angle to HN male right angle 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 PE33285 HN male to HN male cable assembly operates to 3 GHz. The right angle HN interfaces on the RG393 cable allow 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	
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Operating Voltage (AC)			1,500	Vrms

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency					MHz	
PE33285	Custom Lengths Available	Insertion Loss (Typ.)	0.021	0.03	0.045	0.075	0.116	dB/ft	
			0.07	0.1	0.15	0.25	0.39	dB/m	
PE33285-12	12 inch	Insertion Loss (Typ.)	0.43	0.43	0.45	0.48	0.52	dB	0.567
PE33285-24	24 inch	Insertion Loss (Typ.)	0.45	0.46	0.49	0.55	0.64	dB	0.731
PE33285-36	36 inch	Insertion Loss (Typ.)	0.47	0.49	0.54	0.63	0.75	dB	0.894
PE33285-60	60 inch	Insertion Loss (Typ.)	0.51	0.55	0.63	0.78	0.98	dB	1.22
PE33285-72	72 inch	Insertion Loss (Typ.)	0.53	0.58	0.67	0.85	1.1	dB	1.383

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:	0.2 dB
Base Weight:	0.567 pounds
Additional Weight per Inch:	0.01359 pounds

Mechanical Specifications

Cable Assembly

Weight 0.567 lbs [257.19 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]

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Connectors

Description	Connector 1	Connector 2
Type	HN Male Right Angle	HN Male Right Angle
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Right Angle
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:
Values at 25°C, sea level.

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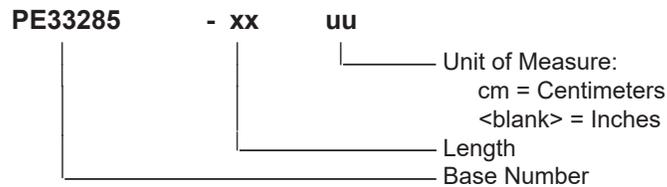


PE33285

Typical Performance Data

How to Order

Part Number Configuration:



Example: PE33285-12 = 12 inches long cable
PE33285-100cm = 100 cm long cable

HN Male Right Angle to HN Male Right Angle 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.

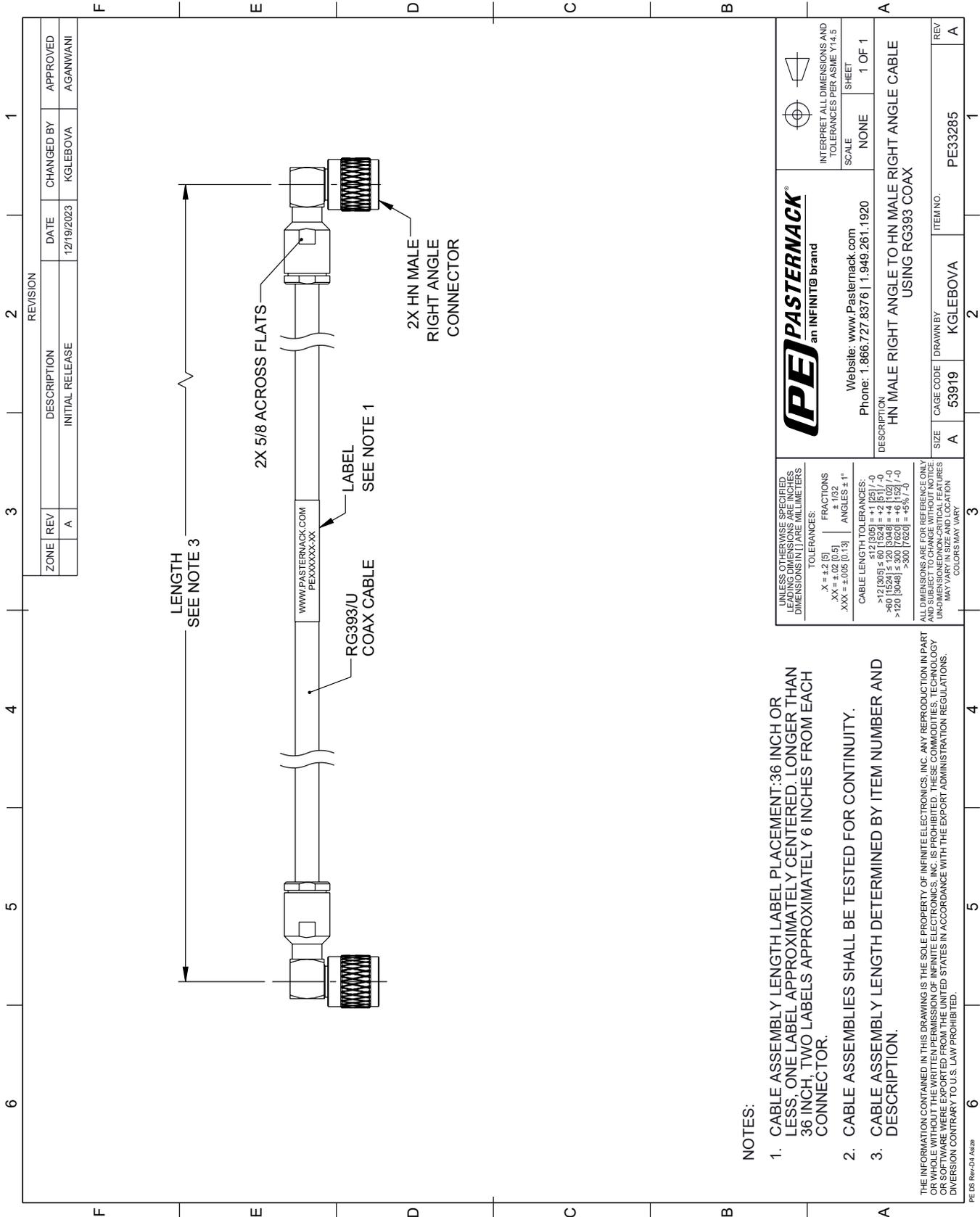
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Right Angle to HN Male Right Angle Cable Using RG393 Coax PE33285](#)

URL: <https://www.pasternack.com/hn-male-right-angle-to-hn-male-cable-using-rg393-pe33285-p.aspx>

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PE33285 CAD Drawing

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NOTES:

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

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 <p>PASTERNAK an INFINITE brand</p>	<p>Website: www.Pasternack.com</p> <p>Phone: 1.866.727.8376 1.949.261.1920</p>	<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p> <p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p>
	<p>DESCRIPTION: HN MALE RIGHT ANGLE TO HN MALE RIGHT ANGLE CABLE USING RG393 COAX</p>	
<p>UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.</p> <p>TOLERANCES:</p> <p>.X = ±.2 [5] FRACTIONS ± 1/32</p> <p>.XX = ±.02 [0.5] ANGLES ± 1°</p> <p>.XXX = ±.005 [0.13]</p> <p>CABLE LENGTH TOLERANCES:</p> <p>>12 [305] ≤ 60 [1524] = ±.1 [25] / -0</p> <p>>60 [1524] ≤ 120 [3048] = ±.2 [51] / -0</p> <p>>120 [3048] ≤ 300 [7620] = ±.3 [76] / -0</p>	<p>ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONS/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.</p>	<p>ITEM NO. PE33285</p> <p>REVISION A</p>