



## HN Male to HN Male Cable Using RG393 Coax

### RF Cable Assemblies Technical Data Sheet

**PE3W00189**

#### Configuration

- Connector 1: HN Male
- Connector 2: HN Male
- Cable Type: RG393

#### Features

- Max Frequency 6 GHz
- Shielding Effectivity > 60 dB
- Double Shielded
- FEP Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W00189 HN male 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 PE3W00189 HN male to HN male cable assembly operates to 6 GHz. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 60 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: [HN Male to HN Male Cable Using RG393 Coax PE3W00189](#)



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**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.4:1	
RF Shielding	60			dB
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Operating Voltage (AC)			1,500	Vrms

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	6	GHz
Insertion Loss (Typ.)	0.03	0.045	0.075	0.125	0.238	dB/ft
	0.1	0.15	0.25	0.41	0.78	dB/m

**Electrical Specification Notes:**

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

**Mechanical Specifications**
**Cable Assembly**

Weight	0.5 lbs [226.8 g]
<b>Cable</b>	
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]
One Time Minimum Bend Radius	3.9 in [99.06 mm]

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**Connectors**

Description	Connector 1	Connector 2
Type	HN Male	HN Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 $\mu$ in. minimum	30 $\mu$ in. minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 $\mu$ in. minimum	100 $\mu$ in. minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 $\mu$ in minimum	100 $\mu$ in minimum

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

**Plotted and Other Data**

Notes:

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## HN Male to HN Male Cable Using RG393 Coax

## RF Cable Assemblies Technical Data Sheet

PE3W00189

## How to Order

Part Number Configuration:

PE3W00189

- xx

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

Length  
Base Number

Example: PE3W00189-12 = 12 inches long cable  
PE3W00189-100cm = 100 cm long cable

HN Male 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 to HN Male Cable Using RG393 Coax PE3W00189](#)

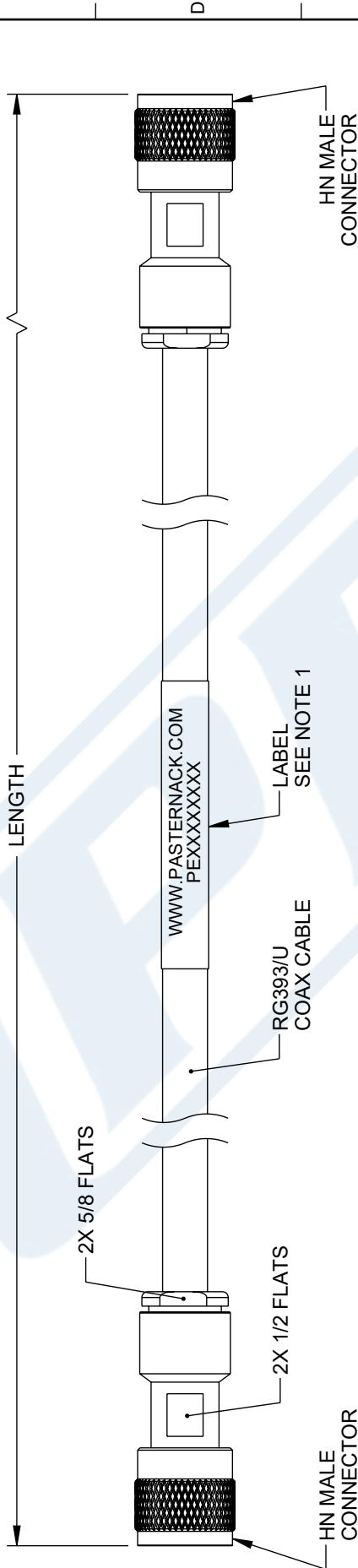
URL: <https://www.pasternack.com/hn-male-to-hn-male-cable-using-rg393-pe3w00189-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

## PE3W00189 CAD Drawing

HN Male to HN Male Cable Using RG393 Coax

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	4/18/2023	KDANG	AGANWANI



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.  
CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY
- 2.

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LESS OTHERWISE SPECIFIED DIMENSIONS ARE INCHES TOLERANCES IN [ ] ARE MILLIMETERS	FRACTIONS	SCALE NONE	REV A
$\pm 2$ [5] $\pm .02$ [5] $\pm .005$ [13]	$\pm .132$ $\pm .005$ $\pm .005$	1 OF 1	1
DESCRIPTION	WEBSITE: <a href="http://www.Pasterнак.com">www.Pasterнак.com</a> PHONE: 1.866.727.8376   1.949.261.1920		
<b>HN Male to HN Male Cable Using RG393 Coax</b>			
SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	KDANG	PE3W00189
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