

## HN Male Right Angle to HN Male Right Angle Cable Using RG217 Coax



### PE3W04173

#### Configuration

- Connector 1: HN Male Right Angle
- Connector 2: HN Male Right Angle
- Cable Type: RG217
- Coax Flex Type: Flexible

#### Features

- Max Frequency 1 GHz
- 66% Phase Velocity
- Double Shielded
- PVC Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W04173 HN male right angle to HN male right angle cable using RG217 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 RG217 coax. The PE3W04173 HN male to HN male cable assembly operates to 1 GHz. The right angle HN interfaces on the RG217 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		1,000	MHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		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	50	100	250	500	1000	
PE3W04173	Custom Lengths Available	Insertion Loss (Typ.)	0.009	0.015	0.023	0.036	0.063	dB/ft	
			0.03	0.05	0.08	0.12	0.21	dB/m	
PE3W04173-12	12 Inch	Insertion Loss (Typ.)	0.41	0.42	0.43	0.44	0.47	dB	0.693
PE3W04173-24	24 Inch	Insertion Loss (Typ.)	0.42	0.43	0.45	0.48	0.53	dB	0.899
PE3W04173-36	36 Inch	Insertion Loss (Typ.)	0.43	0.45	0.47	0.51	0.59	dB	1.104
PE3W04173-96	96 Inch	Insertion Loss (Typ.)	0.48	0.52	0.59	0.69	0.91	dB	2.129
PE3W04173-144	144 Inch	Insertion Loss (Typ.)	0.51	0.58	0.68	0.84	1.16	dB	2.949

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: 0.693 pounds  
 Additional Weight per Inch: 0.01709 pounds

**Mechanical Specifications**

**Cable Assembly**

Weight 0.693 lbs [314.34 g]

**Cable**

Cable Type RG217  
 Impedance 50 Ohms  
 Inner Conductor Type Solid  
 Inner Conductor Material and Plating Copper  
 Dielectric Type PE  
 Number of Shields 2  
 Shield Layer 1 Copper Braid  
 Shield Layer 2 Copper Braid  
 Jacket Material PVC, Black  
 Jacket Diameter 0.545 in [13.84 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	MIL-STD-45204	MIL-STD-45204
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	QQ-N-290	QQ-N-290
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	QQ-N-290	QQ-N-290

**Environmental Specifications**

Operating Range Temperature -40 to +80 deg C

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

**Plotted and Other Data**

Notes:

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### PE3W04173

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE3W04173**

- **xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3W04173-12 = 12 inches long cable  
PE3W04173-100cm = 100 cm long cable

HN Male Right Angle to HN Male Right Angle Cable Using RG217 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 RG217 Coax PE3W04173](#)

URL: <https://www.pasternack.com/hn-male-right-angle-to-hn-male-cable-using-rg217-pe3w04173-p.aspx>

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# PE3W04173 CAD Drawing

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