

HN Male to HN Male Right Angle Cable Using RG217 Coax



PE3C3916

Configuration

- Connector 1: HN Male
- 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 PE3C3916 HN male 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 PE3C3916 HN male to HN male cable assembly operates to 1 GHz. The right angle HN interface on the RG217 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		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	
PE3C3916	Custom Lengths Available	Insertion Loss (Typ.)	0.01	0.01	0.02	0.03	0.06	dB/ft	
			0.03	0.04	0.07	0.1	0.2	dB/m	
PE3C3916-12	12 inch	Insertion Loss (Typ.)	0.31	0.31	0.32	0.33	0.36	dB	0.616
PE3C3916-24	24 inch	Insertion Loss (Typ.)	0.32	0.32	0.34	0.36	0.42	dB	0.822
PE3C3916-36	36 inch	Insertion Loss (Typ.)	0.33	0.33	0.36	0.39	0.48	dB	1.027
PE3C3916-96	96 inch	Insertion Loss (Typ.)	0.38	0.38	0.46	0.54	0.78	dB	2.052
PE3C3916-144	144 inch	Insertion Loss (Typ.)	0.41	0.42	0.54	0.66	1.02	dB	2.872

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:	0.1 dB
Loss due to Connector 2:	0.2 dB
Base Weight:	0.616 pounds
Additional Weight per Inch:	0.01709 pounds

Mechanical Specifications

Cable Assembly

Weight 0.616 lbs [279.41 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	HN Male Right Angle
Specification	MIL-STD-348	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	MIL-G-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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PE3C3916

Typical Performance Data

How to Order

Part Number Configuration:

PE3C3916

- xx

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Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C3916-12 = 12 inches long cable
PE3C3916-100cm = 100 cm long cable

HN Male 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 to HN Male Right Angle Cable Using RG217 Coax PE3C3916](#)

URL: <https://www.pasternack.com/hn-male-to-hn-male-cable-using-rg217-pe3c3916-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE3C3916 CAD Drawing

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