

## BNC Male to BNC Male Cable Using RG174 Coax with HeatShrink



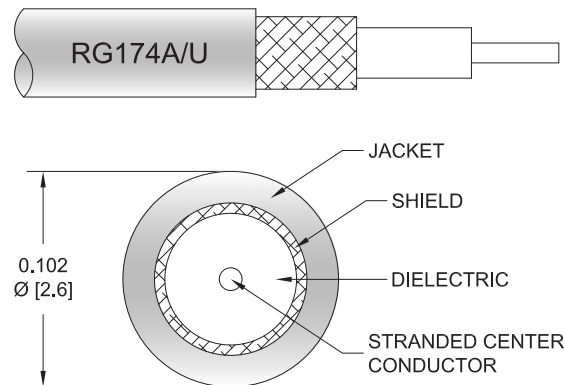
### PE3C2295/HS

#### Configuration

- Connector 1: BNC Male
- Connector 2: BNC Male
- Cable Type: RG174
- Coax Flex Type: Flexible

#### Features

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



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C2295/HS BNC male to BNC male cable using RG174 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 BNC to BNC cable assembly has a male to male gender configuration with 50 ohm flexible RG174 coax. The PE3C2295/HS BNC male to BNC male cable assembly operates to 1 GHz.

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	GHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		31.08 [101.97]		pF/ft [pF/m]

#### Specifications by Frequency

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**PE3C2295/HS**

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency					MHz	
PE3C2295/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.04	0.08	0.14	0.21	0.32	dB/ft	
			0.14	0.28	0.45	0.7	1.05	dB/m	
PE3C2295/HS-12	12 inch	Insertion Loss (Typ.)	0.25	0.29	0.34	0.42	0.52	dB	0.063
PE3C2295/HS-24	24 inch	Insertion Loss (Typ.)	0.29	0.37	0.48	0.63	0.84	dB	0.072
PE3C2295/HS-36	36 inch	Insertion Loss (Typ.)	0.33	0.46	0.62	0.84	1.16	dB	0.081
PE3C2295/HS-48	48 inch	Insertion Loss (Typ.)	0.37	0.54	0.75	1.05	1.48	dB	0.09
PE3C2295/HS-72	72 inch	Insertion Loss (Typ.)	0.46	0.71	1.03	1.47	2.12	dB	0.108

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: 0.1 dB  
 Base Weight: 0.063 pounds  
 Additional Weight per Inch: 0.00075 pounds

**Mechanical Specifications**

**Cable Assembly**

Width/Diameter: 0.5 in [12.7 mm]  
 Weight: 0.054 lbs [24.49 g]

**Cable**

Cable Type: RG174  
 Impedance: 50 Ohms  
 Inner Conductor Type: Stranded  
 Inner Conductor Material and Plating: Copper Clad Steel  
 Dielectric Type: PE  
 Number of Shields: 1  
 Shield Layer 1: Tinned Copper Braid  
 Jacket Material: PVC, Black  
 Jacket Diameter: 0.11 in [2.79 mm]

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#### Connectors

Description	Connector 1	Connector 2
Type	BNC Male	BNC Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	50 µin minimum	50 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 -40 to +80 deg C

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

#### Plotted and Other Data

Notes:

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### PE3C2295/HS

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE3C2295/HS - xx uu**

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

Length

Base Number

Example: PE3C2295/HS-12 = 12 inches long cable  
PE3C2295/HS-100cm = 100 cm long cable

BNC Male to BNC Male Cable Using RG174 Coax with HeatShrink 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: [BNC Male to BNC Male Cable Using RG174 Coax with HeatShrink PE3C2295/HS](#)

URL: <https://www.pasternack.com/bnc-male-to-bnc-male-cable-using-rg174-with-heatshrink-pe3c2295-hs-p.aspx>

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# PE3C2295/HS CAD Drawing

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