

## 75 Ohm BNC Male to 75 Ohm BNC Female Bulkhead Cable 12 Inch Length Using 75 Ohm RG179 Coax



### PE33421-12

#### Configuration

- Connector 1: BNC Male
- Connector 2: BNC Female Bulkhead
- Cable Type: RG179
- Coax Flex Type: Flexible

#### Features

- Max Frequency 1 GHz
- FEP Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE33421-12 75 ohm BNC male to 75 ohm BNC female bulkhead 12 inch cable using 75 ohm RG179 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 female gender configuration with 75 ohm flexible RG179 coax. The PE33421-12 BNC male to BNC female cable assembly operates to 1 GHz. Our RF cable assembly with BNC bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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
Capacitance		23 [75.46]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Max.)	0.29	0.34	0.39	0.41	0.5	dB

#### Electrical Specification Notes:

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

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**Mechanical Specifications**

**Cable Assembly**

Width/Diameter	0.689 in [17.5 mm]
Weight	0.086 lbs [39.01 g]

**Cable**

Cable Type	RG179
Impedance	75 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.1 in [2.54 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	BNC Male	BNC Female Bulkhead
Impedance	75 Ohms	75 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30µ in. minimum	30µ in. minimum
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100µ in. minimum	100µ in. minimum

**Environmental Specifications**

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

**Plotted and Other Data**

Notes:  
Values at 25°C, sea level.

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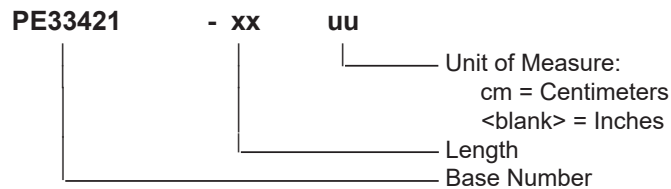


**PE33421-12**

**Typical Performance Data**

**How to Order**

Part Number Configuration:



Example: PE33421-12 = 12 inches long cable  
PE33421-100cm = 100 cm long cable

75 Ohm BNC Male to 75 Ohm BNC Female Bulkhead Cable 12 Inch Length Using 75 Ohm RG179 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: [75 Ohm BNC Male to 75 Ohm BNC Female Bulkhead Cable 12 Inch Length Using 75 Ohm RG179 Coax PE33421-12](https://www.pasternack.com/75-ohm-bnc-male-to-75-ohm-bnc-female-bulkhead-cable-12-inch-length-using-rg179-pe33421-12-p.aspx)

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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 impliment 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.

# PE33421-12 CAD Drawing

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