

## SMA Male Right Angle to BNC Male Right Angle Cable Using RG174 Coax

**PE33752**

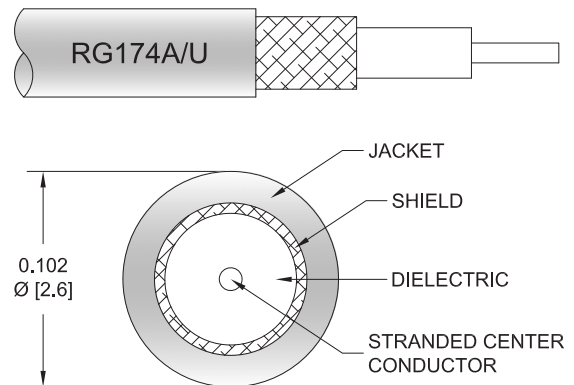


### Configuration

- Connector 1: SMA Male Right Angle
- Connector 2: BNC Male Right Angle
- 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 PE33752 SMA male right angle to BNC male right angle 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 SMA to BNC cable assembly has a male to male gender configuration with 50 ohm flexible RG174 coax. The PE33752 SMA male to BNC male cable assembly operates to 1 GHz. The right angle SMA and right angle BNC interfaces on the RG174 cable allow for easier connections in tight spaces.

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
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]

### Specifications by Frequency

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### PE33752



Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
		Frequency	100	250	500	1000	MHz	
PE33752	Custom Lengths Available	Insertion Loss (Typ.)	0.08	0.14	0.21	0.32	dB/ft	
			0.28	0.45	0.7	1.05	dB/m	
PE33752-12	12 inch	Insertion Loss (Typ.)	0.49	0.54	0.62	0.72	dB	0.077
PE33752-24	24 inch	Insertion Loss (Typ.)	0.57	0.68	0.83	1.04	dB	0.086
PE33752-36	36 inch	Insertion Loss (Typ.)	0.66	0.82	1.04	1.36	dB	0.095
PE33752-48	48 inch	Insertion Loss (Typ.)	0.74	0.95	1.25	1.68	dB	0.104
PE33752-72	72 inch	Insertion Loss (Typ.)	0.91	1.23	1.67	2.32	dB	0.122

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: 0.077 pounds  
 Additional Weight per Inch: 0.00075 pounds

## Mechanical Specifications

### Cable Assembly

Weight 0.077 lbs [34.93 g]

### Cable

Cable Type RG174  
 Impedance 50 Ohms  
 Inner Conductor Type Stranded  
 Inner Conductor Material and Plating Copper Clad Steel  
 Dielectric Type PE (LD)  
 Number of Shields 1  
 Shield Layer 1 Tinned Copper Braid  
 Jacket Material PVC, Black  
 Jacket Diameter 0.1 in [2.54 mm]

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### Connectors

Description	Connector 1	Connector 2
Type	SMA Male Right Angle	BNC Male Right Angle
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Right Angle
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	50 µin minimum	30 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
Hex Size	5/16 in	
Torque	5 in-lbs 0.57 Nm	

### Environmental Specifications

Operating Range Temperature -40 to +80 deg C

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

### Plotted and Other Data

Notes:  
Values at 25°C, sea level.

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#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE33752**

**- xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE33752-12 = 12 inches long cable  
PE33752-100cm = 100 cm long cable

SMA Male Right Angle to BNC Male Right Angle Cable Using RG174 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: [SMA Male Right Angle to BNC Male Right Angle Cable Using RG174 Coax PE33752](#)

URL: <https://www.pasternack.com/sma-male-right-angle-to-bnc-male-cable-using-rg174-pe33752-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.

PE33752 CAD Drawing
SMA Male Right Angle to BNC Male Right Angle Cable Using RG174 Coax

