

## N Male Right Angle to BNC Male Cable Using RG223 Coax



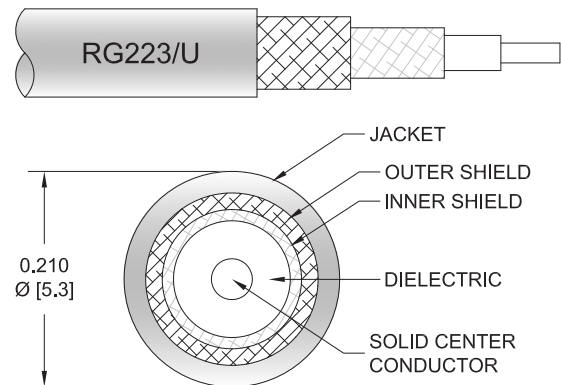
### PE33630

#### Configuration

- Connector 1: N Male Right Angle
- Connector 2: BNC Male
- Cable Type: RG223
- Coax Flex Type: Flexible

#### Features

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



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE33630 type N male right angle to BNC male cable using RG223 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 type N to BNC cable assembly has a male to male gender configuration with 50 ohm flexible RG223 coax. The PE33630 type N male to BNC male cable assembly operates to 1 GHz. The right angle type N interface on the RG223 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]

#### Specifications by Frequency

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### PE33630

Part Number	Length	Description	F1	F2	Units	Weight (lbs)
		Frequency	500	1000	MHz	
PE33630	Custom Lengths Available	Insertion Loss (Typ.)	0.09	0.13	dB/ft	
			0.3	0.43	dB/m	
PE33630-12	12 inch	Insertion Loss (Typ.)	0.39	0.43	dB	0.185
PE33630-24	24 inch	Insertion Loss (Typ.)	0.48	0.56	dB	0.217
PE33630-36	36 inch	Insertion Loss (Typ.)	0.57	0.69	dB	0.248
PE33630-60	60 inch	Insertion Loss (Typ.)	0.75	0.95	dB	0.31
PE33630-72	72 inch	Insertion Loss (Typ.)	0.84	1.08	dB	0.341

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: 0.185 pounds

Additional Weight per Inch: 0.00259 pounds

## Mechanical Specifications

### Cable Assembly

Weight 0.185 lbs [83.91 g]

### Cable

Cable Type	RG223
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.21 in [5.33 mm]
One Time Minimum Bend Radius	1 in [25.4 mm]

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**PE33630**

### Connectors

Description	Connector 1	Connector 2
Type	N Male Right Angle	BNC Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 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

### 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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### PE33630

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE33630**

**- xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE33630-12 = 12 inches long cable  
PE33630-100cm = 100 cm long cable

N Male Right Angle to BNC Male Cable Using RG223 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: [N Male Right Angle to BNC Male Cable Using RG223 Coax PE33630](#)

URL: <https://www.pasternack.com/n-male-right-angle-to-bnc-male-cable-using-rg223-pe33630-p.aspx>

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PE33630 CAD Drawing
N Male Right Angle to BNC Male Cable Using RG223 Coax

