



## BNC Male to Straight Cut Lead Cable Using RG223 Coax

### RF Cable Assemblies Technical Data Sheet

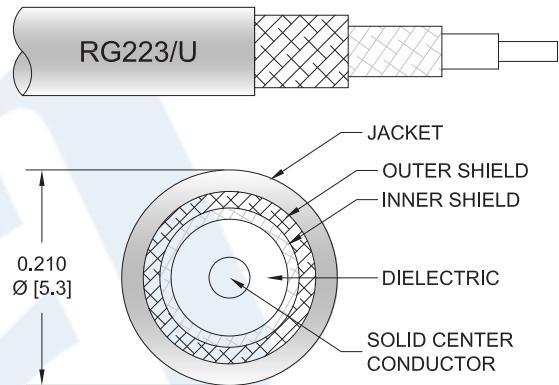
PE3560

#### Configuration

- Connector 1: BNC Male
- Connector 2: Straight Cut Lead
- Cable Type: RG223

#### Features

- Max Frequency 4 GHz
- 66% Phase Velocity
- Double Shielded
- PVC Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3560 50 ohm BNC male to straight cut lead 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. The PE3560 BNC male to straight cut lead cable assembly operates to 4 GHz. 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.

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 Straight Cut Lead Cable Using RG223 Coax PE3560](#)



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#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	4	GHz
Insertion Loss (Typ.)	0.04	0.061	0.09	0.134	0.291	
	0.13	0.2	0.3	0.44	0.95	dB

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as  $0.1 * \text{SQRT}(F\text{GHz})$  dB per connector.

#### Mechanical Specifications

##### Cable Assembly

Length*	0 in [0 mm]
Weight	0.062 lbs [28.12 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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## Connectors

Description	Connector 1	Connector 2
Type	BNC Male	Straight Cut Lead
Specification	MIL-STD-348A	
Impedance	50 Ohms	0 Ohms
Contact Material and Plating	Brass, Gold	
Contact Plating Specification	30 $\mu$ in. minimum	
Dielectric Type	Teflon	
Body Material and Plating	Brass, Nickel	
Body Plating Specification	100 $\mu$ in. minimum	

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

## Plotted and Other Data

## Notes:

- Values at 25°C, sea level.

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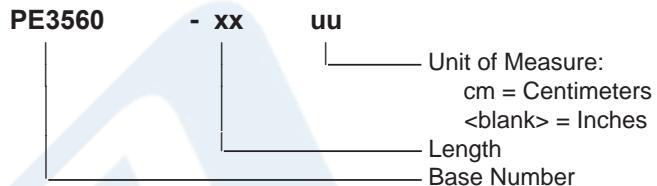
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#### How to Order

Part Number Configuration:



Example: PE3560-12 = 12 inches long cable  
PE3560-100cm = 100 cm long cable

BNC Male to Straight Cut Lead 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.

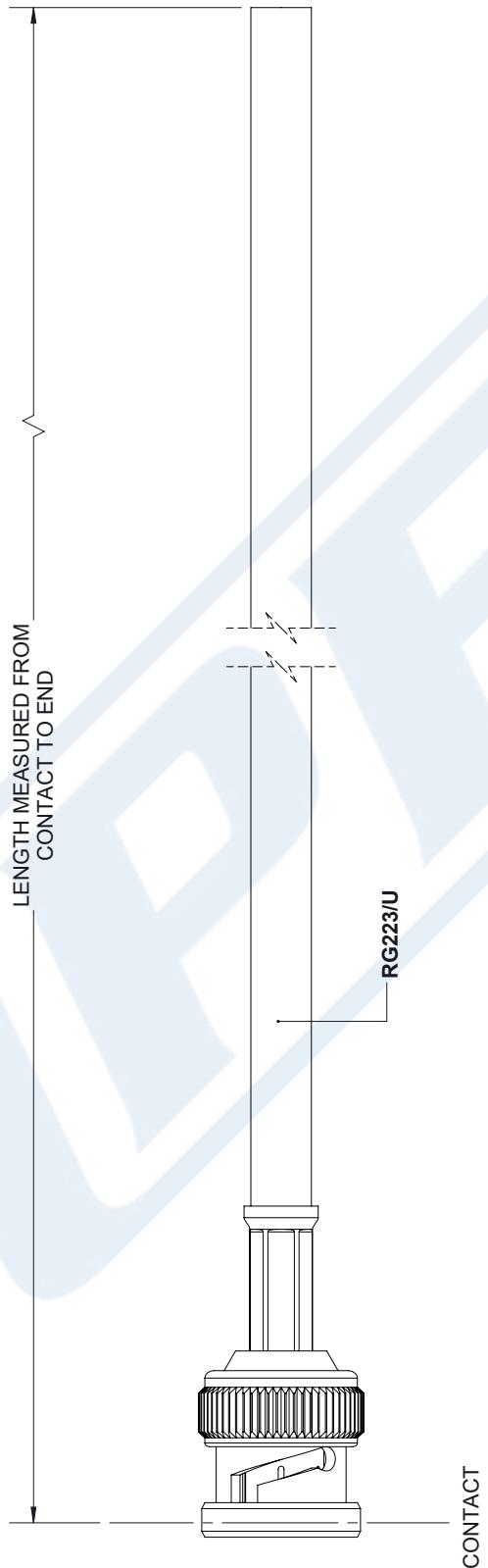
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URL: <https://www.pasternack.com/bAc-male-to-straight-cut-lead-cable-usiAg-rg223-pe3560-p.aspx>

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

**PE3560 CAD Drawing**  
BNC Male to Straight Cut Lead Cable Using RG223 Coax

REVISIONS				
REV.	DESCRIPTION	DATE	APPROVED	
A	INITIAL RELEASE	6/21/2021	S.SELLIS	



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P.O. Box 16759	Irvine, CA 92623	SHEET	1 OF 1
Phone: 1.949.261.1920	Fax: 1.949.261.7451	SCALE	N/A
Website: <a href="http://www.pasterнак.com">www.pasterнак.com</a>	E-mail: <a href="mailto:sales@pasterнак.com">sales@pasterнак.com</a>	ITEM NO.	PE3560
SIZE	CAGE CODE	DRAWN BY	REV
A	53919	K.DANG	A

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

X = $\pm 2$ [5.08]	FRACTIONS XX = $\pm .02$ [.51]	$\pm 1/32$
XXX = $\pm .005$ [.13]	ANGLES $\pm 1^\circ$	CABLE LENGTH (L) TOLERANCES:
L $\leq$ 12 [305] = $\pm 1$ [25]	L $\leq$ 12 [305] < L $\leq$ 60 [1524] = $\pm 2$ [51] / -0	60 [1524] < L $\leq$ 120 [3048] = $\pm 4$ [102] / -0
12 [305] < L $\leq$ 152 [3864] = $\pm 6$ [152] / -0	120 [3048] < L $\leq$ 300 [7620] = $\pm 6$ [152] / -0	300 [7620] < L = $\pm 5\%$ L / -0

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

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