



## 75 Ohm BNC Male to 75 Ohm BNC Male Right Angle Cable Using 75 Ohm RG59 Coax

### RF Cable Assemblies Technical Data Sheet

PE3W00288

#### Configuration

- Connector 1: BNC Male
- Connector 2: BNC Male Right Angle
- Cable Type: RG59

#### Features

- Max Frequency 500 MHz
- 66% Phase Velocity
- PVC (NC) Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W00288 75 ohm BNC male to 75 ohm BNC male right angle cable using 75 ohm RG59 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 75 ohm flexible RG59 coax. The PE3W00288 BNC male to BNC male cable assembly operates to 500 MHz. The right angle BNC interface on the RG59 cable allows 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		500	MHz
VSWR			1.6:1	
Velocity of Propagation		66		%
Capacitance		20.6 [67.59]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

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 Male Right Angle Cable Using 75 Ohm RG59 Coax PE3W00288](#)



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#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	100	250	500			MHz
Insertion Loss (Max.)	0.04	0.07	0.087			dB/ft
	0.13	0.23	0.29			dB/m

#### Electrical Specification Notes:

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

#### Mechanical Specifications

##### Cable Assembly

Diameter 0.571 in [14.5 mm]

##### Cable

Cable Type RG59  
 Impedance 75 Ohms  
 Inner Conductor Type Solid  
 Inner Conductor Material and Plating Copper Clad Steel  
 Dielectric Type PE  
 Number of Shields 1  
 Shield Layer 1 Copper Braid  
 Jacket Material PVC (NC), Black  
 Jacket Diameter 0.242 in [6.15 mm]

#### Connectors

Description	Connector 1	Connector 2
Type	BNC Male	BNC Male Right Angle
Specification		MIL-STD-348
Impedance	75 Ohms	75 Ohms
Contact Material and Plating	Brass, Gold	Brass/Beryllium Copper, Silver
Contact Plating Specification	30μ in. minimum	
Dielectric Type	Teflon	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100μ in. minimum	
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100μ in. minimum	

#### Mechanical Specification Notes:

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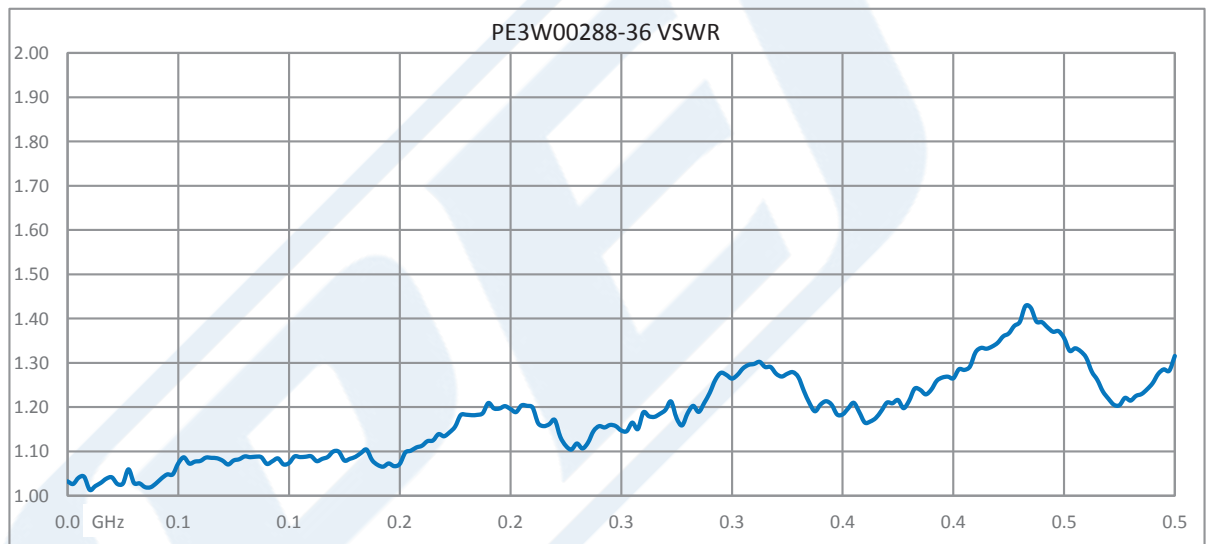
\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8$ ", whichever is greater.

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

**Plotted and Other Data**

Notes:

**Typical Performance Data**



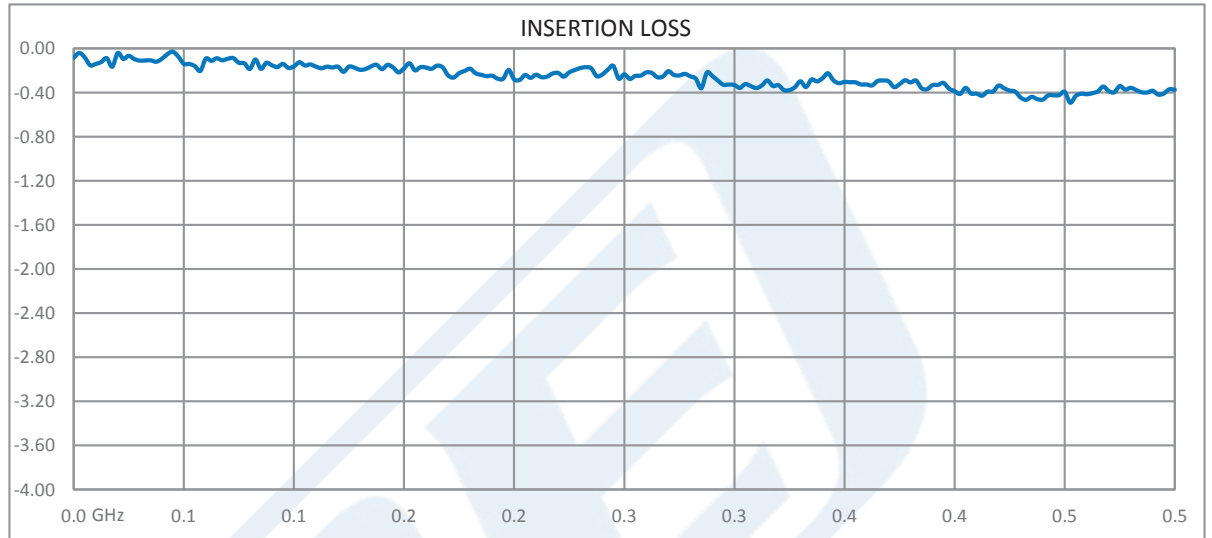
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**How to Order**

Part Number Configuration:

**PE3W00288**

- **xx**

**uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches  
Length  
Base Number

Example: PE3W00288-12 = 12 inches long cable  
PE3W00288-100cm = 100 cm long cable

75 Ohm BNC Male to 75 Ohm BNC Male Right Angle Cable Using 75 Ohm RG59 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.

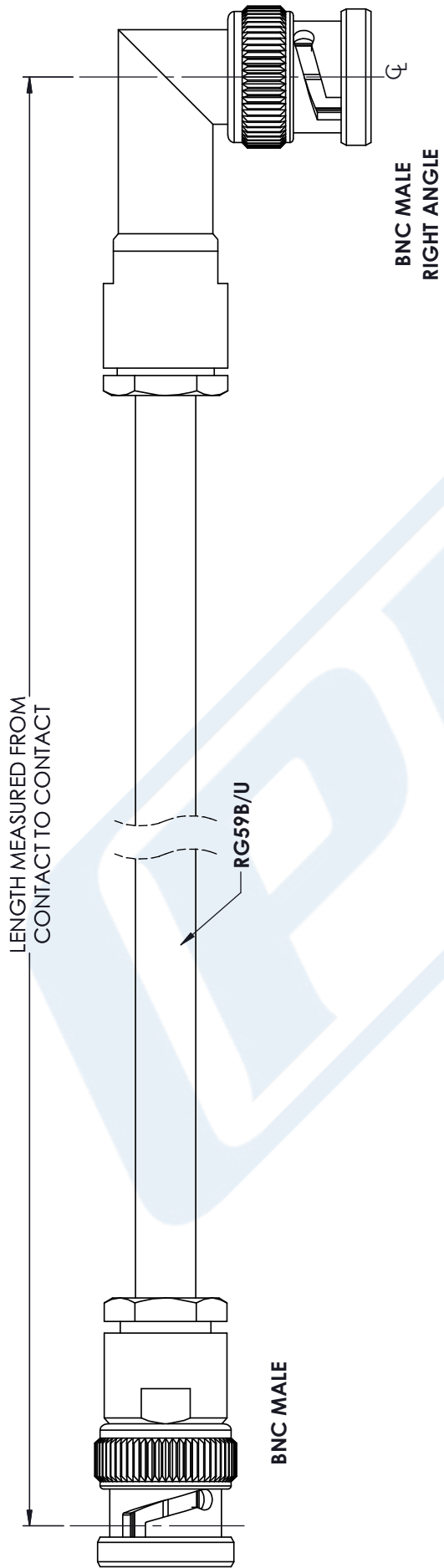
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm BNC Male to 75 Ohm BNC Male Right Angle Cable Using 75 Ohm RG59 Coax PE3W00288](https://www.pasternack.com/bnc-male-bnc-male-rg59bu-cable-assembly-pe3w00288-p.aspx)

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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.

# PE3W00288 CAD Drawing

75 Ohm BNC Male to 75 Ohm BNC Male Right Angle Cable Using 75 Ohm RG59 Coax



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

<p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.</li> <li>2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.</li> <li>3. DIMENSIONS ARE IN INCHES [mm].</li> </ol>		<p>DWG TITLE PE3W00288</p>	
<p><b>PASTERNAK®</b> THE ENGINEER'S RF SOURCE Pasternack Enterprises, Inc. P.O. Box 16759   Irvine   CA   92623 Phone: (949) 261-1920   Fax: (949) 261-7451 Website: www.pasternack.com   E-Mail: sales@pasternack.com</p>		<p>CAD FILE 07/25/18</p>	
<p>CAGE CODE 53919</p>		<p>SCALE N/A</p>	
<p>SIZE A</p>		<p>CN2379</p>	