



## 75 Ohm BNC Male to 75 Ohm BNC Male Right Angle Cable 12 Inch Length Using 75 Ohm RG59 Coax

### RF Cable Assemblies Technical Data Sheet

PE3W00288-12

#### 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 PE3W00288-12 75 ohm BNC male to 75 ohm BNC male right angle 12 inch 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 PE3W00288-12 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 12 Inch Length Using 75 Ohm RG59 Coax PE3W00288-12](#)



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**Specifications by Frequency**

| Description           | F1   | F2   | F3   | F4 | F5 | Units |
|-----------------------|------|------|------|----|----|-------|
| Frequency             | 100  | 250  | 500  |    |    | MHz   |
| Insertion Loss (Max.) | 0.34 | 0.37 | 0.38 |    |    | dB    |

**Mechanical Specifications**

**Cable Assembly**

|          |                    |
|----------|--------------------|
| Length*  | 12 in [304.8 mm]   |
| 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:

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

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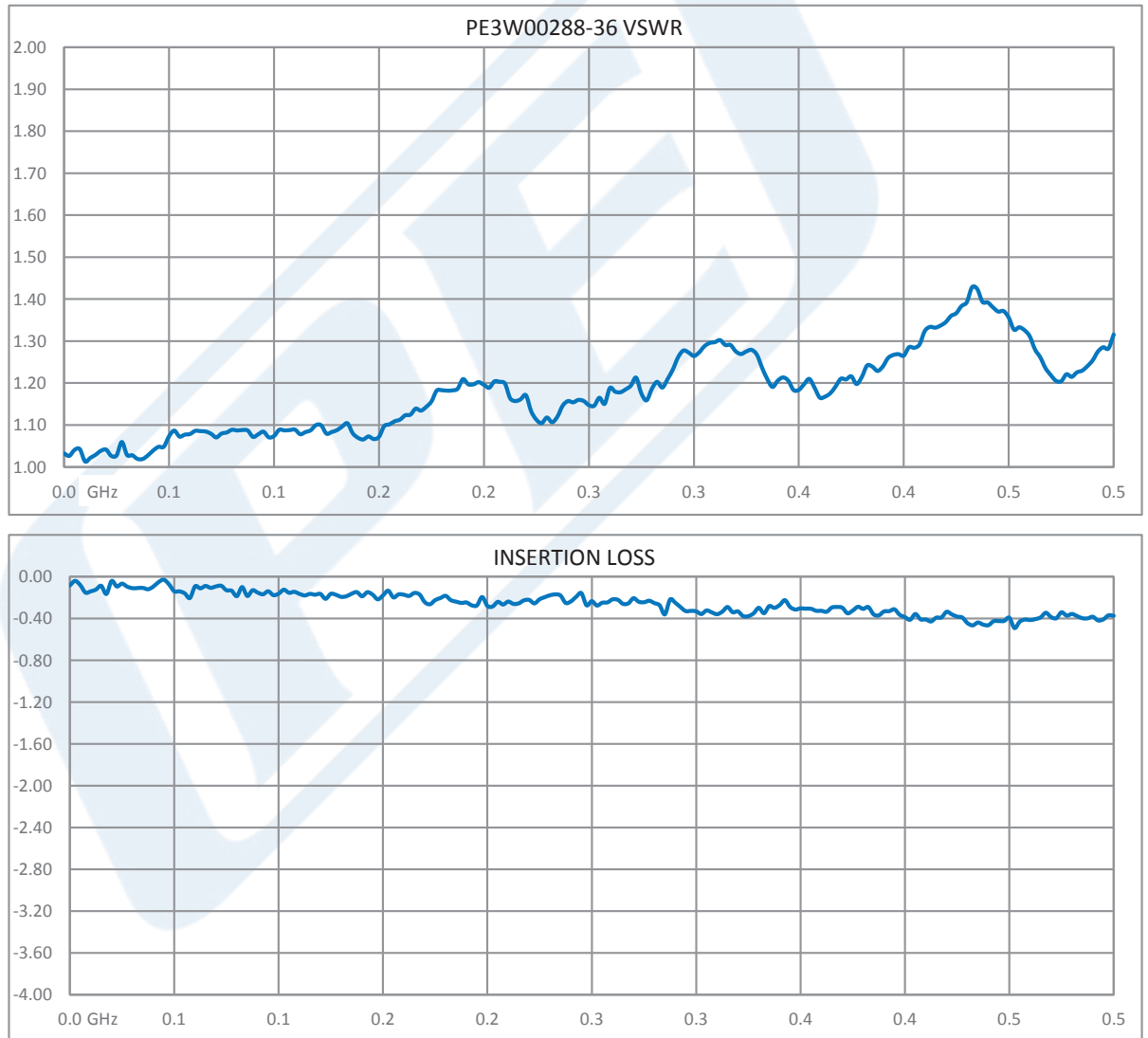
PE3W00288-12

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

### Plotted and Other Data

Notes:

#### Typical Performance Data



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PE3W00288-12

**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 12 Inch Length 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.

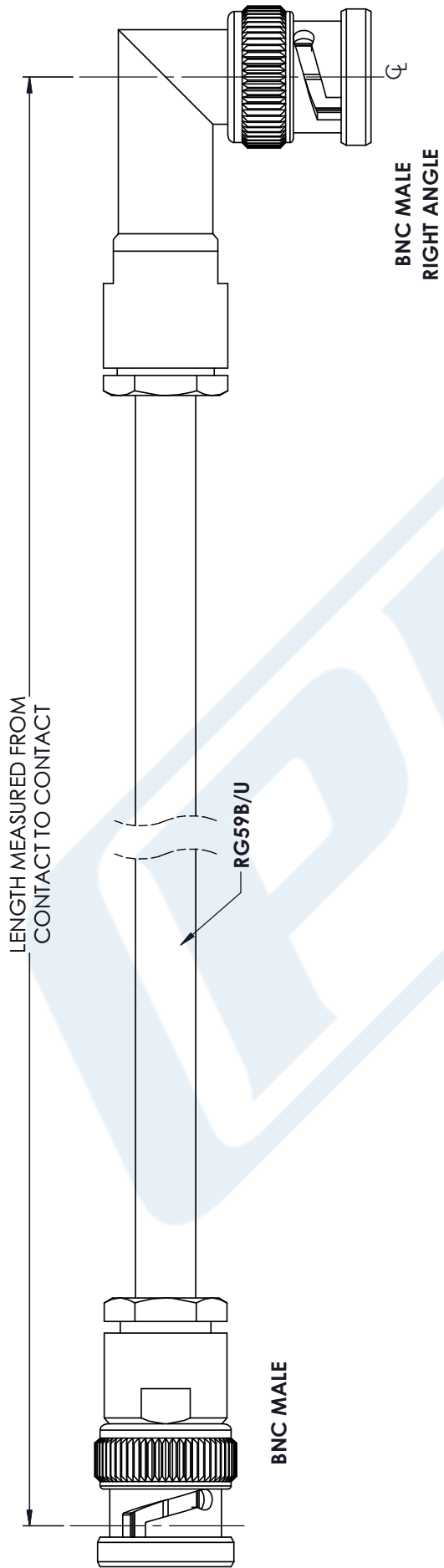
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm BNC Male to 75 Ohm BNC Male Right Angle Cable 12 Inch Length Using 75 Ohm RG59 Coax PE3W00288-12](https://www.pasternack.com/bnc-male-bnc-male-rg59bu-cable-assembly-pe3w00288-12-p.aspx)

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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.

# PE3W00288-12 CAD Drawing

75 Ohm BNC Male to 75 Ohm BNC Male Right Angle Cable  
 12 Inch Length 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>CAD FILE 07/25/18</p>      |  | <p>SCALE N/A</p>  |  | <p>SIZE A</p> |  | <p>CN2379</p> |  |
| <p>DWG TITLE</p> <p>PE3W00288</p>  |  | <p>CAGE CODE</p> <p>53919</p> |  | <p><b>PASTERNAK®</b><br/>                 THE ENGINEER'S RF SOURCE<br/>                 Pasternack Enterprises, Inc.<br/>                 P.O. Box 16759   Irvine   CA   92623<br/>                 Phone: (949) 261-1920   Fax: (949) 261-7451<br/>                 Website: www.pasternack.com   E-Mail: sales@pasternack.com</p> |  |               |  |               |  |