

## BNC Female to BNC Female Cable Using 93 Ohm RG62 Coax

### RF Cable Assemblies Technical Data Sheet

**PE3C3710**

#### Configuration

- Connector 1: BNC Female
- Connector 2: BNC Female
- Cable Type: RG62

#### Features

- Max Frequency 1 GHz
- Shielding Effectivity > 45 dB
- 83% Phase Velocity
- PVC Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C3710 BNC female to BNC female cable using 93 ohm RG62 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 female to female gender configuration with 93 ohm flexible RG62 coax. The PE3C3710 BNC female to BNC female cable assembly operates to 1 GHz.

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 Female to BNC Female Cable Using 93 Ohm RG62 Coax PE3C3710](#)

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#### Electrical Specifications

| Description             | Minimum | Typical      | Maximum | Units        |
|-------------------------|---------|--------------|---------|--------------|
| Frequency Range         | DC      |              | 1,000   | MHz          |
| VSWR                    |         |              | 1.4:1   |              |
| Velocity of Propagation |         | 83           |         | %            |
| RF Shielding            | 45      |              |         | dB           |
| Capacitance             |         | 14.5 [47.57] |         | pF/ft [pF/m] |

#### Specifications by Frequency

| Description           | F1           | F2           | F3           | F4           | F5           | Units |
|-----------------------|--------------|--------------|--------------|--------------|--------------|-------|
| Frequency             | 50           | 100          | 250          | 500          | 1,000        | MHz   |
| Insertion Loss (Max.) | 1.02<br>3.35 | 1.02<br>3.35 | 1.04<br>3.41 | 1.06<br>3.48 | 1.09<br>3.58 |       |
| VSWR (Max.)           | 1.4:1        | 1.4:1        | 1.4:1        | 1.4:1        | 1.4:1        |       |
| Return Loss (Max.)    | 15.56        | 15.563       | 15.563       | 15.563       | 15.563       | dB    |

#### Mechanical Specifications

##### Cable Assembly

Weight 0.096 lbs [43.54 g]

##### Cable

Cable Type RG62  
Impedance 93 Ohms  
Inner Conductor Type Solid  
Inner Conductor Material and Plating Copper Clad Steel  
Dielectric Type PE (AS)  
Number of Shields 1  
Shield Layer 1 Copper Braid  
Jacket Material PVC, Black  
Jacket Diameter 0.242 in [6.15 mm]

One Time Minimum Bend Radius 2.5 in [63.5 mm]

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#### Connectors

| Description                  | Connector 1     | Connector 2     |
|------------------------------|-----------------|-----------------|
| Type                         | BNC Female      | BNC Female      |
| Impedance                    | 50 Ohms         | 50 Ohms         |
| Contact Material and Plating | Brass, Gold     | Brass, Gold     |
| Dielectric Type              | PTFE            | PTFE            |
| Body Material and Plating    | Brass, Nickel   | Brass, Nickel   |
| Body Plating Specification   | 100 µin minimum | 100 µin minimum |

#### Environmental Specifications

##### Temperature

Operating Range -40 to +80 deg C

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

#### Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Female to BNC Female Cable Using 93 Ohm RG62 Coax PE3C3710](#)

## BNC Female to BNC Female Cable Using 93 Ohm RG62 Coax

### RF Cable Assemblies Technical Data Sheet

**PE3C3710**

#### How to Order

Part Number Configuration:

**PE3C3710**

- **xx**

**uu**

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

Example: PE3C3710-12 = 12 inches long cable  
PE3C3710-100cm = 100 cm long cable

BNC Female to BNC Female Cable Using 93 Ohm RG62 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.

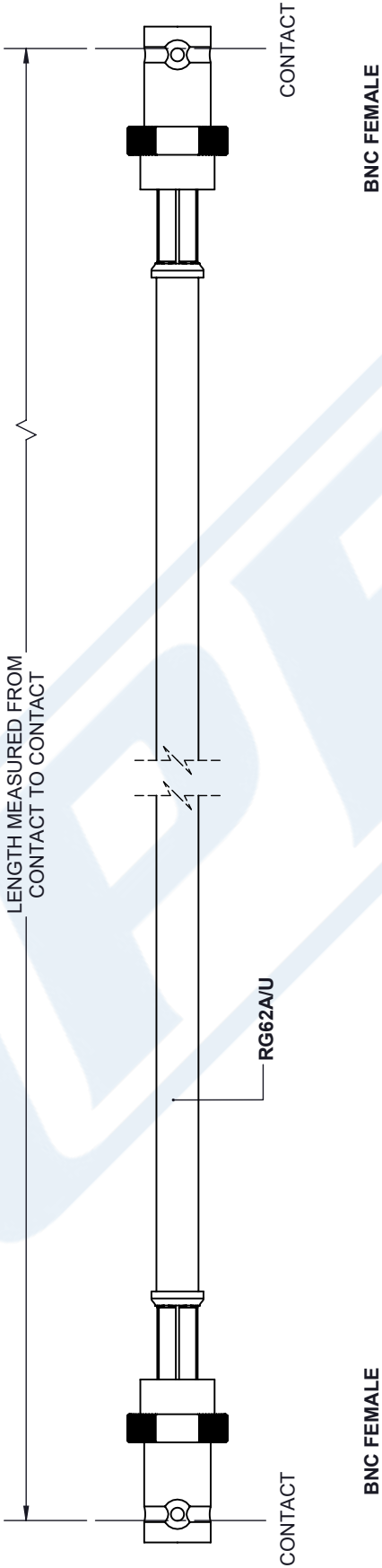
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Female to BNC Female Cable Using 93 Ohm RG62 Coax PE3C3710](#)

URL: <https://www.pasternack.com/bnc-female-bnc-female-rg62au-cable-assembly-pe3c3710-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.

PE3C3710 CAD Drawing  
BNC Female to BNC Female Cable Using 93 Ohm RG62 Coax

| REVISIONS |                 |           |            |
|-----------|-----------------|-----------|------------|
| REV.      | DESCRIPTION     | DATE      | APPROVED   |
| A         | INITIAL RELEASE | 6/24/2022 | A. GANWANI |



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

TOLERANCES:

|               |        |             |
|---------------|--------|-------------|
| X = ± .2      | [.008] | FRACTIONS   |
| .XX = ± .02   | [.51]  | ± 1/32      |
| .XXX = ± .005 | [.13]  | ANGLES ± 1° |

CABLE LENGTH (L) TOLERANCES:

|                             |                 |
|-----------------------------|-----------------|
| L ≤ 12 [305]                | = +1 [25] / -0  |
| 12 [305] < L ≤ 60 [1524]    | = +2 [51] / -0  |
| 60 [1524] < L ≤ 120 [3048]  | = +4 [102] / -0 |
| 120 [3048] < L ≤ 300 [7620] | = +6 [152] / -0 |
| 300 [7620] < L              | = +5% / -0      |

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

**PE PASTERNAK®**  
an INFINITE brand

Pasternack Enterprises, Inc.  
P.O. Box 16759, Irvine, CA 92623.  
Phone: 1.949.261.1920 | 1.866.727.8376  
Fax: 1.949.261.7451  
Website: [www.pasternack.com](http://www.pasternack.com)  
E-mail: [sales@pasternack.com](mailto:sales@pasternack.com)

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SHEET 1 OF 1

SCALE N/A

|        |                 |                 |                   |       |
|--------|-----------------|-----------------|-------------------|-------|
| SIZE A | CAGE CODE 53919 | DRAWN BY K.DANG | ITEM NO. PE3C3710 | REV A |
|--------|-----------------|-----------------|-------------------|-------|

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