

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	1.02	1.04	1.06	1.09	
	3.35	3.35	3.41	3.48	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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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 μ in minimum	100 μ in minimum

Environmental Specifications**Temperature**

Operating Range

-40 to +80 deg C

Compliance Certifications (see [product page](#) for current document)**Plotted and Other Data**

Notes:

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How to Order

Part Number Configuration:

PE3C3710

- **xx**

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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

