



75 Ohm BNC Female Bulkhead to 75 Ohm BNC Female Bulkhead Cable 50 cm Length Using 93 Ohm RG62 Coax

RF Cable Assemblies Technical Data Sheet

PE3W06444-50CM

Configuration

- Connector 1: BNC Female Bulkhead
- Connector 2: BNC Female Bulkhead
- 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 PE3W06444-50CM 75 ohm BNC female bulkhead to 75 ohm BNC female bulkhead 50 cm 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 PE3W06444-50CM BNC female to BNC female cable assembly operates to 1 GHz. Our RF cable assembly with BNC bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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		1,000	MHz
VSWR			1.5:1	
Velocity of Propagation		83		%
RF Shielding	45			dB
Capacitance		14.5 [47.57]		pF/ft [pF/m]

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 Female Bulkhead to 75 Ohm BNC Female Bulkhead Cable 50 cm Length Using 93 Ohm RG62 Coax PE3W06444-50CM](#)



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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Max.)	0.23	0.24	0.27	0.3	0.35	dB

Electrical Specification Notes:

The Insertion Loss data above is base on the performance specifications of the coax use in the assembly. The Insertion Loss includes an estimated insertion loss of 0.2dB of connector loss.

Mechanical Specifications

Cable Assembly

Length* 19.68 in [499.87 mm]
Diameter 0.688 in [17.48 mm]

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 0.239 in [6.07 mm]

Repeated Minimum Bend Radius 2.5 in [63.5 mm]

Connectors

Description	Connector 1	Connector 2
Type	BNC Female Bulkhead	BNC Female Bulkhead
Impedance	75 Ohms	75 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel

Mechanical Specification Notes:

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

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

PE3W06444

- **xx**

uu

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

Example: PE3W06444-12 = 12 inches long cable
PE3W06444-100cm = 100 cm long cable

75 Ohm BNC Female Bulkhead to 75 Ohm BNC Female Bulkhead Cable 50 cm Length 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: [75 Ohm BNC Female Bulkhead to 75 Ohm BNC Female Bulkhead Cable 50 cm Length Using 93 Ohm RG62 Coax PE3W06444-50CM](#)

URL: <https://www.pasternack.com/bnc-female-bnc-female-rg62au-cable-assembly-pe3w06444-50cm-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.

PE3W06444-50CM CAD Drawing

75 Ohm BNC Female Bulkhead to 75 Ohm BNC Female Bulkhead
Cable 50 cm Length Using 93 Ohm RG62 Coax

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/23/19	SELLIS



BNC FEMALE
BULKHEAD

BNC FEMALE
BULKHEAD

.472^{+.005}_{-.000}
[11.99 0.00]

Ø .505^{+.005}_{-.000}
[12.83^{+0.13}_{0.00}]

MOUNTING HOLE
(2X)

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X±.2 [5.08]	±.132
XX±.01 [.25]	±.005
XXX±.005 [.13]	±.001
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	
THIRD-ANGLE PROJECTION	

PE PASTERNAK an INFINITI 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 www.pasternack.com e-mail: sales@pasternack.com	
SIZE	A
CAGE	53919
DRAWN BY	K.DANG
PART NUMBER	PE3W06444
REV	A

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SHEET	1 OF 1
SCALE	N/A

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