



BNC Female Bulkhead to TNC Female Bulkhead Cable 150 cm Length Using RG174 Coax

RF Cable Assemblies Technical Data Sheet

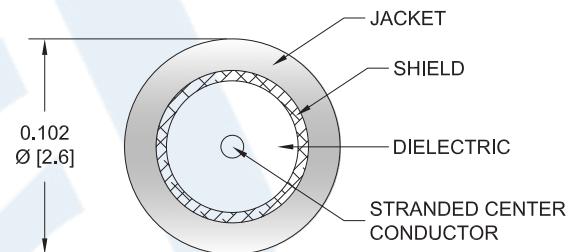
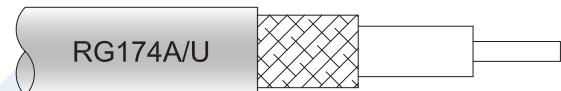
PE3W09944-150CM

Configuration

- Connector 1: BNC Female Bulkhead
- Connector 2: TNC Female Bulkhead
- Cable Type: RG174

Features

- Max Frequency 1 GHz
- 66% Phase Velocity
- PVC Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W09944-150CM BNC female bulkhead to TNC female bulkhead 150 cm cable using RG174 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 TNC cable assembly has a female to female gender configuration with 50 ohm flexible RG174 coax. The PE3W09944-150CM BNC female to TNC female cable assembly operates to 1 GHz. Our RF cable assembly with BNC bulkhead and TNC 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Female Bulkhead to TNC Female Bulkhead Cable 150 cm Length Using RG174 Coax PE3W09944-150CM](#)



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Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------|---------|----------------|---------|--------------|
| Frequency Range | DC | | 1,000 | MHz |
| VSWR | | | 1.4:1 | |
| Velocity of Propagation | | 66 | | % |
| Capacitance | | 31.08 [101.97] | | pF/ft [pF/m] |

Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|------|------|------|-------|----|-------|
| Frequency | 100 | 250 | 500 | 1,000 | | MHz |
| Insertion Loss (Typ.) | 0.59 | 0.79 | 1.13 | 1.77 | | dB |

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax cable and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

| | |
|----------|----------------------|
| Length* | 59.05 in [149.99 cm] |
| Diameter | 0.689 in [17.5 mm] |

Cable

| | |
|--------------------------------------|---------------------|
| Cable Type | RG174 |
| Impedance | 50 Ohms |
| Inner Conductor Type | Stranded |
| Inner Conductor Material and Plating | Copper Clad Steel |
| Dielectric Type | PE |
| Number of Shields | 1 |
| Shield Layer 1 | Tinned Copper Braid |
| Jacket Material | PVC, Black |
| Jacket Diameter | 0.11 in [2.79 mm] |

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Connectors

| Description | Connector 1 | Connector 2 |
|-------------------------------|----------------------|----------------------|
| Type | BNC Female Bulkhead | TNC Female Bulkhead |
| Specification | | MIL-STD-348A |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material and Plating | Brass, Gold | Brass, Gold |
| Contact Plating Specification | 30 μ in minimum | 30 μ in minimum |
| 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:

PE3W09944

- **xx**

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

Example: PE3W09944-12 = 12 inches long cable
PE3W09944-100cm = 100 cm long cable

BNC Female Bulkhead to TNC Female Bulkhead Cable 150 cm Length Using RG174 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.

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[PE3W09944-150CM](#)

URL: <https://www.pasternack.com/bnc-female-tnc-female-rg174au-cable-assembly-pe3w09944-150cm-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.

PE3W09944-150CM CAD Drawing

BNC Female Bulkhead to TNC Female Bulkhead Cable

150 cm Length Using RG174 Coax

