



BNC Male to BNC Female Bulkhead Cable 72 Inch Length Using RG174 Coax

RF Cable Assemblies Technical Data Sheet

PE3C3397-72

Configuration

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

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------|---------|---------------|---------|--------------|
| Frequency Range | DC | | 1,000 | MHz |
| VSWR | | | 1.4:1 | |
| Velocity of Propagation | | 66 | | % |
| Capacitance | | 31.1 [102.03] | | 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.) | 0.45 | 0.7 | 1.02 | 1.47 | 2.12 | dB |
| Insertion Loss (Typ.) | 0.452 | 0.704 | 1.022 | 1.47 | 2.12 | dB |
| 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

| | |
|----------|--------------------|
| Length* | 72 in [182.88 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, Silver |
| Dielectric Type | PE (LD) |
| Number of Shields | 1 |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male to BNC Female Bulkhead Cable 72 Inch Length Using RG174 Coax PE3C3397-72](#)



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| | |
|-----------------|---------------------|
| Shield Layer 1 | Tinned Copper Braid |
| Jacket Material | PVC, Black |
| Jacket Diameter | 0.11 in [2.79 mm] |

Connectors

| Description | Connector 1 | Connector 2 |
|------------------------------------|------------------|---------------------|
| Type | BNC Male | BNC Female Bulkhead |
| Specification | MIL-STD-348A | |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material and Plating | Brass, Gold | Brass, Gold |
| Contact Plating Specification | 50µ in. minimum | 30 µin minimum |
| Dielectric Type | Teflon | PTFE |
| Body Material and Plating | Brass, Nickel | Brass, Nickel |
| Body Plating Specification | 100µ in. minimum | 100 µin minimum |
| Coupling Nut Material and Plating | Brass, Nickel | |
| Coupling Nut Plating Specification | 100µ in. minimum | |

Mechanical Specification Notes:

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

Environmental Specifications

Temperature

Operating Range -40 to +80 deg C

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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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How to Order

Part Number Configuration:

PE3C3397

- **xx**

uu

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

Example: PE3C3397-12 = 12 inches long cable
PE3C3397-100cm = 100 cm long cable

BNC Male to BNC Female Bulkhead Cable 72 Inch 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male to BNC Female Bulkhead Cable 72 Inch Length Using RG174 Coax PE3C3397-72](https://www.pasternack.com/bnc-male-bnc-female-rg174au-cable-assembly-pe3c3397-72-p.aspx)

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