



BNC Female Bulkhead to BNC Female Bulkhead Cable Using RG316 Coax

RF Cable Assemblies Technical Data Sheet

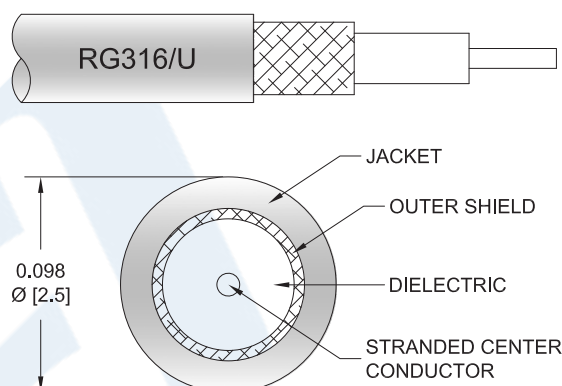
PE3482

Configuration

- Connector 1: BNC Female Bulkhead
- Connector 2: BNC Female Bulkhead
- Cable Type: RG316

Features

- Max Frequency 1 GHz
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3482 BNC female bulkhead to BNC female bulkhead cable using RG316 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 50 ohm flexible RG316 coax. The PE3482 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.

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 BNC Female Bulkhead Cable Using RG316 Coax PE3482](#)



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Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|------------------------|---------|-------------|---------|--------------|
| Frequency Range | DC | | 1,000 | MHz |
| VSWR | | | 1.5:1 | |
| Capacitance | | 32 [104.99] | | pF/ft [pF/m] |
| Operating Voltage (AC) | | | 500 | Vrms |

Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|------|------|-------|-------|-------|
| Frequency | 50 | 100 | 250 | 500 | 1,000 | MHz |
| Insertion Loss (Typ.) | 0.075 | 0.11 | 0.16 | 0.238 | 0.38 | dB |

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Cable

| | |
|--------------------------------------|----------------------------|
| Cable Type | RG316 |
| Impedance | 50 Ohms |
| Inner Conductor Type | Stranded |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type | PTFE |
| Number of Shields | 1 |
| Shield Layer 1 | Silver Plated Copper Braid |
| Jacket Material | FEP, Tan |
| Jacket Diameter | 0.098 in [2.49 mm] |

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Connectors

| Description | Connector 1 | Connector 2 |
|-------------------------------|---------------------|---------------------|
| Type | BNC Female Bulkhead | BNC Female Bulkhead |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material and Plating | Brass, Gold | Brass, Gold |
| Contact Plating Specification | 30μ in. minimum | 30μ in. minimum |
| Dielectric Type | PTFE | PTFE |
| Body Material and Plating | Brass, Nickel | Brass, Nickel |
| Body Plating Specification | 100μ in. minimum | 100μ in. minimum |

Environmental Specifications

Temperature

Operating Range -55 to +165 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:

PE3482

- **xx**

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

Example: PE3482-12 = 12 inches long cable
PE3482-100cm = 100 cm long cable

BNC Female Bulkhead to BNC Female Bulkhead Cable Using RG316 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 Bulkhead to BNC Female Bulkhead Cable Using RG316 Coax PE3482](#)

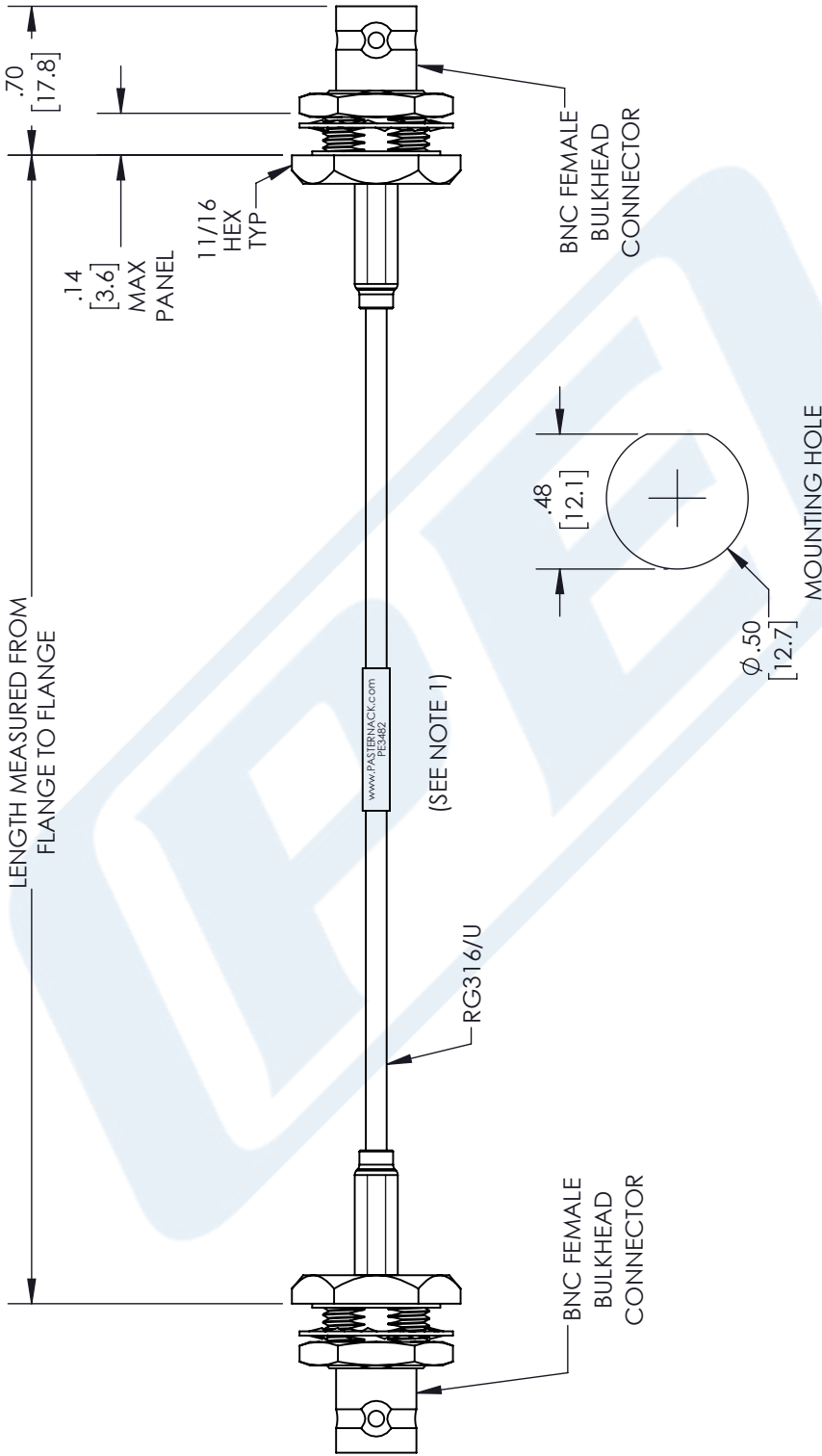
URL: <https://www.pasternack.com/bnc-female-bulkhead-to-bnc-female-bulkhead-cable-using-rg316-pe3482-p.aspx>

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.

PE3482 CAD Drawing

BNC Female Bulkhead to BNC Female Bulkhead Cable Using RG316 Coax

| REVISIONS | | | |
|-----------|-----------------|------------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE | 08/10/2022 | AGANWANI |



| | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------|--|
| PE PASTERNAK an INFINITI® brand | | THIRD-ANGLE PROJECTION | |
| 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 E-mail: sales@pasternack.com | | THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED. | |
| UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS | | SHEET 1 OF 1 | |
| TOLERANCES: | | SCALE N/A | |
| X = ± .2 [5.08] FRACTIONS .XX = ± .02 [.51] ± 1/32 .XXX = ± .005 [.13] ANGLES ± 1° | | REV A | |
| 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 | | ITEM NO. PE3482 | |
| ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. | | CAGE CODE 53919 | |
| DRAWN BY BPUCHASKI | | REV A | |

NOTES:

1. CABLES 36" AND UNDER HAVE 1 LABEL CENTERED. CABLES OVER 36" HAVE 2 LABELS, ONE AT EACH END 6.0" FROM END OF CONNECTOR

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