



## 75 Ohm RCA Male to 75 Ohm RCA Female Bulkhead Cable Using 75 Ohm PE-B159-RD Red Coax in 12 Inch

### RF Cable Assemblies Technical Data Sheet

**PE3C6006/RD-12**

#### Configuration

- Connector 1: RCA Male
- Connector 2: RCA Female Bulkhead
- Cable Type: MINI 59

#### Features

- 83% Phase Velocity
- Double Shielded
- PVC Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C6006/RD-12 75 ohm RCA male to 75 ohm RCA female bulkhead 12 inch cable using 75 ohm PE-B159-RD 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 RCA to RCA cable assembly has a male to female gender configuration with 75 ohm flexible MINI 59 coax. Our RF cable assembly with RCA 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. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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        |
|-------------------------|---------|--------------|---------|--------------|
| Velocity of Propagation |         | 83           |         | %            |
| Capacitance             |         | 16.5 [54.13] |         | pF/ft [pF/m] |

#### Mechanical Specifications

##### Cable Assembly

|         |                     |
|---------|---------------------|
| Length* | 12 in [304.8 mm]    |
| Weight  | 0.089 lbs [40.37 g] |

##### Cable

|                      |         |
|----------------------|---------|
| Cable Type           | MINI 59 |
| Impedance            | 75 Ohms |
| Inner Conductor Type | Solid   |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm RCA Male to 75 Ohm RCA Female Bulkhead Cable Using 75 Ohm PE-B159-RD Red Coax in 12 Inch PE3C6006/RD-12](#)



75 Ohm RCA Male to 75 Ohm RCA Female Bulkhead  
Cable Using 75 Ohm PE-B159-RD Red Coax in 12 Inch

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|                                      |                     |
|--------------------------------------|---------------------|
| Inner Conductor Material and Plating | Copper              |
| Dielectric Type                      | PE (F)              |
| Number of Shields                    | 2                   |
| Shield Layer 1                       | Aluminum Tape       |
| Shield Layer 2                       | Tinned Copper Braid |
| Jacket Material                      | PVC, Red            |
| Jacket Diameter                      | 0.159 in [4.04 mm]  |
| One Time Minimum Bend Radius         | 1.5 in [38.1 mm]    |

**Connectors**

| Description                   | Connector 1     | Connector 2         |
|-------------------------------|-----------------|---------------------|
| Type                          | RCA Male        | RCA Female Bulkhead |
| Impedance                     | 75 Ohms         | 75 Ohms             |
| Contact Material and Plating  | Brass, Gold     | Brass, Gold         |
| Contact Plating Specification | 1μ in. minimum  |                     |
| Dielectric Type               | Delrin          | POM                 |
| Body Material and Plating     | Brass, Nickel   | Brass, Nickel       |
| Body Plating Specification    | 60μ in. minimum |                     |

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

**Plotted and Other Data**

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm RCA Male to 75 Ohm RCA Female Bulkhead Cable Using 75 Ohm PE-B159-RD Red Coax in 12 Inch PE3C6006/RD-12](#)



## 75 Ohm RCA Male to 75 Ohm RCA Female Bulkhead Cable Using 75 Ohm PE-B159-RD Red Coax in 12 Inch

### RF Cable Assemblies Technical Data Sheet

**PE3C6006/RD-12**

#### How to Order

Part Number Configuration:

**PE3C6006/RD**

**- xx**

**uu**

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

Example: PE3C6006/RD-12 = 12 inches long cable  
PE3C6006/RD-100cm = 100 cm long cable

75 Ohm RCA Male to 75 Ohm RCA Female Bulkhead Cable Using 75 Ohm PE-B159-RD Red Coax in 12 Inch 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 RCA Male to 75 Ohm RCA Female Bulkhead Cable Using 75 Ohm PE-B159-RD Red Coax in 12 Inch PE3C6006/RD-12](https://www.pasternack.com/rca-male-rca-female-pe-b159-rd-cable-assembly-pe3c6006-rd-12-p.aspx)

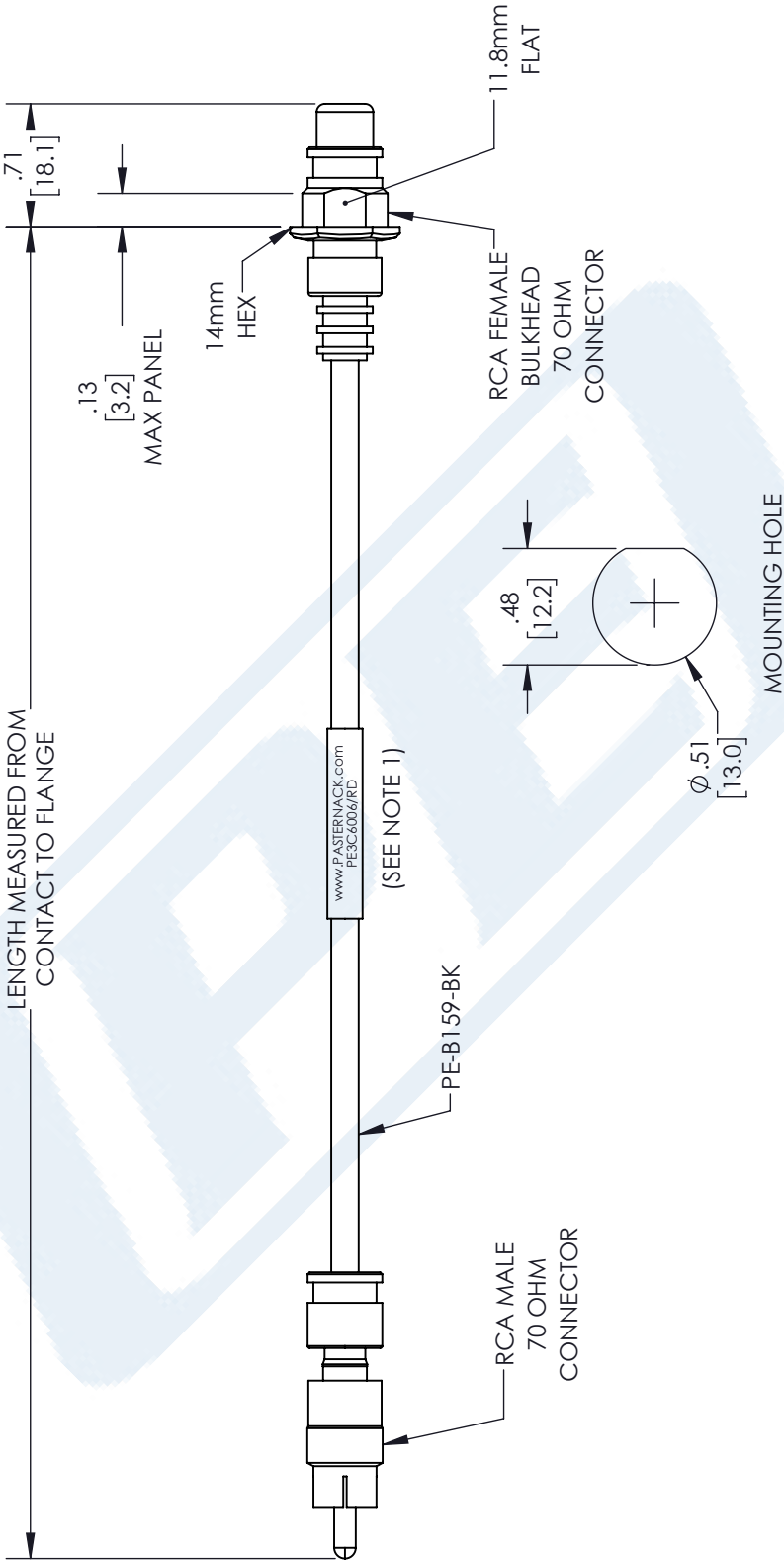
URL: <https://www.pasternack.com/rca-male-rca-female-pe-b159-rd-cable-assembly-pe3c6006-rd-12-p.aspx>

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.

PE3C6006/RD-12 CAD Drawing

75 Ohm RCA Male to 75 Ohm RCA Female Bulkhead Cable  
Using 75 Ohm PE-B159-RD Red Coax in 12 Inch

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



|                                                                                                                                                                                                   |  |                                                                                                            |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------|--|
| <b>PE PASTERNAK</b><br>an INFINITI brand                                                                                                                                                          |  | THIRD-ANGLE PROJECTION                                                                                     |  |
| Pasternack Enterprises, Inc.<br>P.O. Box 16759, Irvine, CA 92623.<br>Phone: 1.949.261.1920   1.866.727.8376<br>Fax: 1.949.261.7451<br>Website: www.pasternack.com<br>E-mail: sales@pasternack.com |  | THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED. |  |
| SHEET 1 OF 1                                                                                                                                                                                      |  | SCALE N/A                                                                                                  |  |
| SIZE A                                                                                                                                                                                            |  | REV A                                                                                                      |  |
| CAGE CODE 53919                                                                                                                                                                                   |  | ITEM NO. PE3C6006/RD                                                                                       |  |
| DRAWN BY BPUCHASKI                                                                                                                                                                                |  |                                                                                                            |  |

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

|               |        |             |
|---------------|--------|-------------|
| X = ± .2      | [.008] | FRACTIONS   |
| .XX = ± .02   | [.51]  | ± 1/32      |
| .XXX = ± .005 | [.13]  | ANGLES ± 1° |

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      |

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

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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