

BNC Male to BNC Male Cable Using RG178 Coax



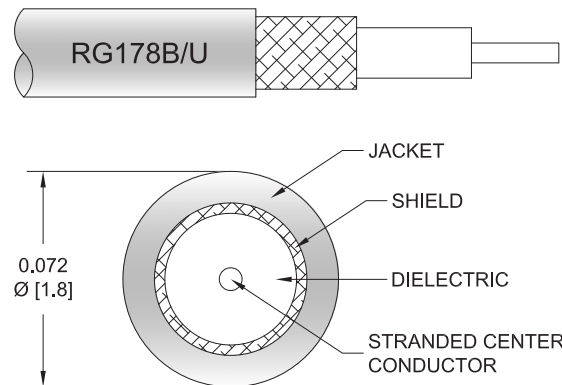
PE3C3091

Configuration

- Connector 1: BNC Male
- Connector 2: BNC Male
- Cable Type: RG178
- Coax Flex Type: Flexible

Features

- 69.5% Phase Velocity
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C3091 BNC male to BNC male cable using RG178 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 male to male gender configuration with 50 ohm flexible RG178 coax.

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		69.5		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.087 lbs [39.46 g]

Cable

Cable Type	RG178
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1

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Shield Layer 1	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.072 in [1.83 mm]
Repeated Minimum Bend Radius	0.393 in [9.98 mm]

Connectors

Description	Connector 1	Connector 2
Type	BNC Male	BNC Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Body Material and Plating	Brass, Nickel	Brass, Nickel

Environmental Specifications

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

Plotted and Other Data

Notes:

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PE3C3091

Typical Performance Data

How to Order

Part Number Configuration:

PE3C3091

- **xx**

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Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C3091-12 = 12 inches long cable
PE3C3091-100cm = 100 cm long cable

BNC Male to BNC Male Cable Using RG178 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.

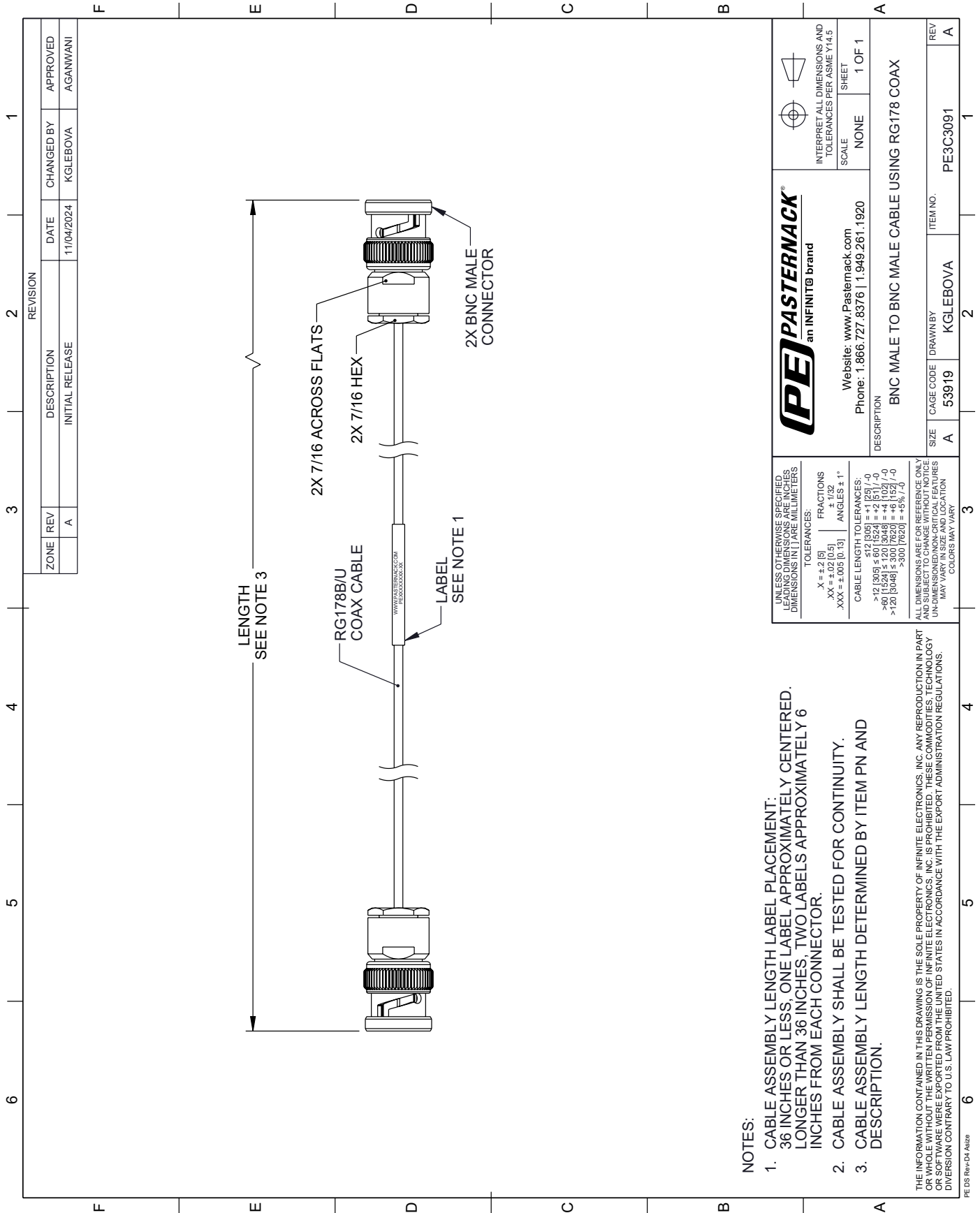
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male to BNC Male Cable Using RG178 Coax PE3C3091](#)

URL: <https://www.pasternack.com/bnc-male-to-bnc-male-cable-using-rg178-pe3c3091-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE3C3091 CAD Drawing

BNC Male to BNC Male Cable Using RG178 Coax



NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

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PE DS Rev-04 A182z

<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN PAREMILLIMETERS</p> <p>TOLERANCES:</p> <p>X = ±.2 [5] FRACTIONS ± 1/32 .XX = ±.02 [0.5] ANGLES ± 1° .XXX = ±.005 [0.13]</p> <p>CABLE LENGTH TOLERANCES:</p> <p>>12 [305] ≤ 60 [1524] = +1 [25] / -0 >60 [1524] ≤ 120 [3048] = +4 [102] / -0 >120 [3048] ≤ 300 [7620] = +5 [127] / -0 >300 [7620] = +5 [127] / -0</p> <p>ALL DIMENSIONS ARE FOR REFERENCE ONLY UNLESS OTHERWISE SPECIFIED. DIMENSIONS ON CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.</p>		<p>PE PASTERNAK an INFINIT[®] brand</p> <p>Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920</p>		<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p> <p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p>																					
<p>REVISION</p> <table border="1"> <tr> <th>ZONE</th> <th>REV</th> <th>DESCRIPTION</th> <th>DATE</th> <th>CHANGED BY</th> <th>APPROVED</th> </tr> <tr> <td></td> <td>A</td> <td>INITIAL RELEASE</td> <td>11/04/2024</td> <td>KGLEBOVA</td> <td>AGANWANI</td> </tr> </table>	ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED		A	INITIAL RELEASE	11/04/2024	KGLEBOVA	AGANWANI	<p>DESCRIPTION: BNC MALE TO BNC MALE CABLE USING RG178 COAX</p> <table border="1"> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>DATE</th> <th>CHANGED BY</th> <th>APPROVED</th> </tr> <tr> <td>A</td> <td>INITIAL RELEASE</td> <td>11/04/2024</td> <td>KGLEBOVA</td> <td>AGANWANI</td> </tr> </table>			REV	DESCRIPTION	DATE	CHANGED BY	APPROVED	A	INITIAL RELEASE	11/04/2024	KGLEBOVA	AGANWANI
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