



BNC Female to SMA Male Right Angle Cable Using RG178 Coax

RF Cable Assemblies Technical Data Sheet

PE3W08852

Configuration

- Connector 1: BNC Female
- Connector 2: SMA Male Right Angle
- Cable Type: RG178

Features

- 70% Phase Velocity
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W08852 BNC female to SMA male right angle 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 SMA cable assembly has a female to male gender configuration with 50 ohm flexible RG178 coax. The right angle SMA interface on the RG178 cable allows for easier connections in tight spaces.

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 | | 70 | | % |
| Capacitance | | 29.4 [96.46] | | pF/ft [pF/m] |

Mechanical Specifications

Cable Assembly

Weight 0.063 lbs [28.58 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
 Shield Layer 1 Silver Plated Copper Braid

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Female to SMA Male Right Angle Cable Using RG178 Coax PE3W08852](#)



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| | |
|------------------------------|--------------------|
| Jacket Material | FEP, Tan |
| Jacket Diameter | 0.072 in [1.83 mm] |
| Repeated Minimum Bend Radius | 0.4 in [10.16 mm] |

Connectors

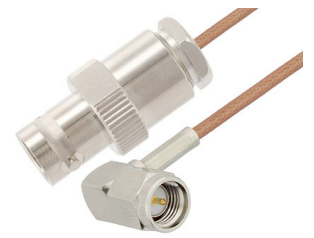
| Description | Connector 1 | Connector 2 |
|------------------------------------|---------------|----------------------|
| Type | BNC Female | SMA Male Right Angle |
| Specification | | MIL-STD-348A |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material and Plating | | Brass, Gold |
| Contact Plating Specification | | 50 µin minimum |
| Dielectric Type | | PTFE |
| Body Material and Plating | Brass, Nickel | Brass, Nickel |
| Body Plating Specification | | 100 µin minimum |
| Coupling Nut Material and Plating | | Brass, Nickel |
| Coupling Nut Plating Specification | | 100 µin minimum |
| Hex Size | | 5/16 inch |
| Torque | | 3 in-lbs [0.34 Nm] |

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

Plotted and Other Data

Notes:

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PE3W08852

How to Order

Part Number Configuration:

PE3W08852

- **xx**

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Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3W08852-12 = 12 inches long cable
PE3W08852-100cm = 100 cm long cable

BNC Female to SMA Male Right Angle 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.

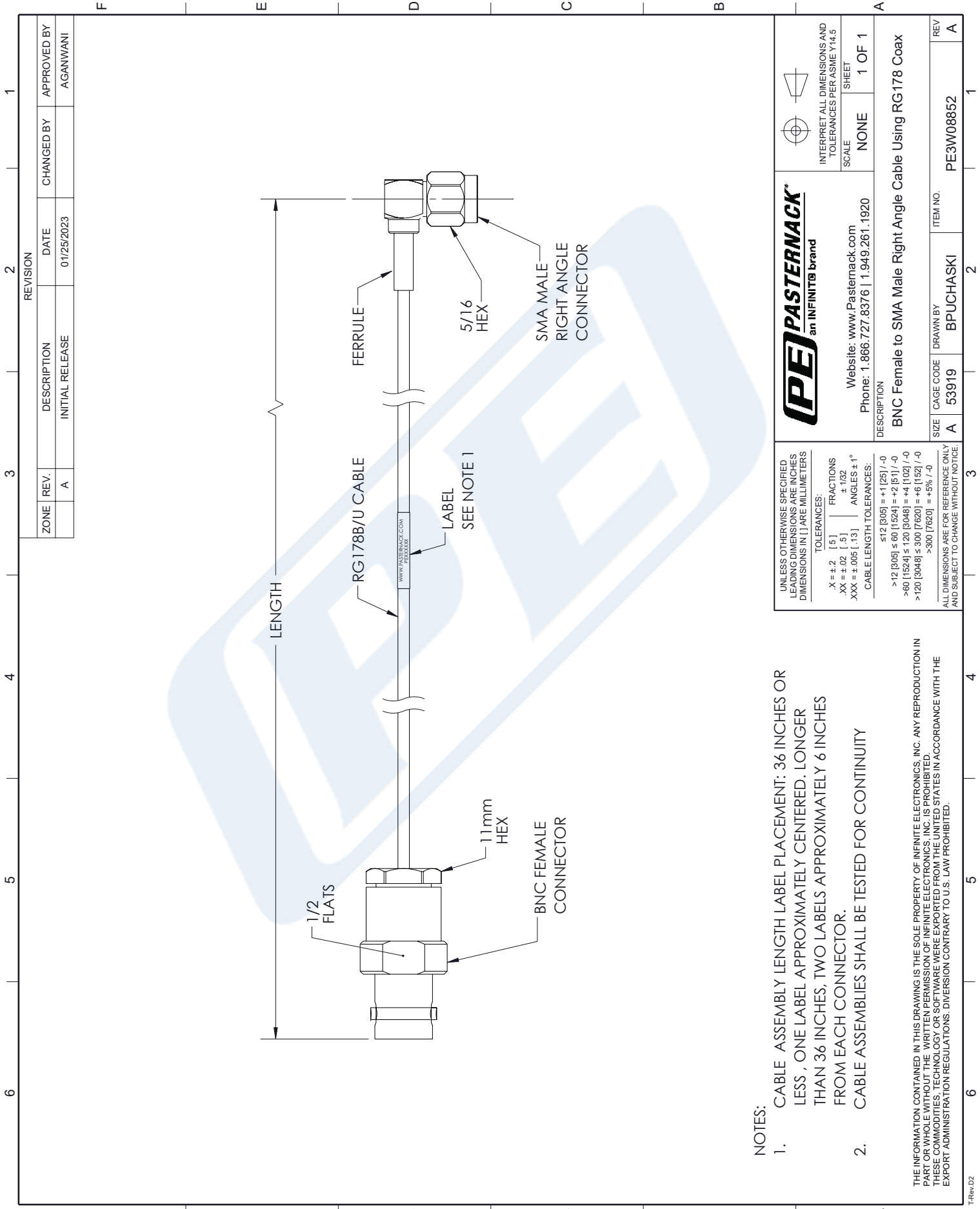
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Female to SMA Male Right Angle Cable Using RG178 Coax PE3W08852](https://www.pasternack.com/bnc-female-to-sma-male-cable-using-rg178-pe3w08852-p.aspx)

URL: <https://www.pasternack.com/bnc-female-to-sma-male-cable-using-rg178-pe3w08852-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.

PE3W08852 CAD Drawing

BNC Female to SMA Male Right Angle 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 ASSEMBLIES SHALL BE TESTED FOR CONTINUITY

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| | |
|--|--|
| UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS | |
| TOLERANCES: | |
| X = ±.2 [.5] | FRACTIONS ± 1/32 |
| .XX = ±.02 [.5] | ANGLES ± 1° |
| XXX = ±.005 [.13] | CABLE LENGTH TOLERANCES: |
| | ≤12 [305] = +1 [25] / -0 |
| | >12 [305] ≤ 60 [1524] = +2 [51] / -0 |
| | >60 [1524] ≤ 120 [3048] = +4 [102] / -0 |
| | >120 [3048] ≤ 300 [7620] = +6 [152] / -0 |
| | >300 [7620] = +5% / -0 |
| ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE. | |

| | |
|---|-------------|
| PE PASTERNAK an INFINITO brand | |
| Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920 | |
| INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 | SCALE: NONE |
| SHEET | 1 OF 1 |
| DESCRIPTION BNC Female to SMA Male Right Angle Cable Using RG178 Coax | |
| SIZE | CAGE CODE |
| A | 53919 |
| DRAWN BY | ITEM NO. |
| BPUCHASKI | PE3W08852 |
| REV | A |