

SMP Female to BNC Male Cable Using RG178 Coax



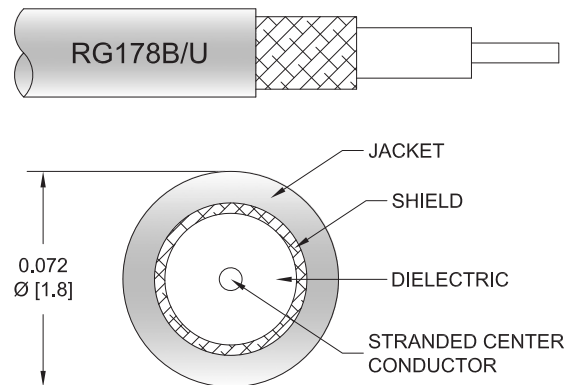
PE3W02085

Configuration

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

Features

- 70% Phase Velocity
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W02085 SMP female 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 SMP to BNC cable assembly has a female 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		70		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.049 lbs [22.23 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	0.394 in [10.01 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMP Female	BNC Male
Specification	MIL-STD-348	
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Beryllium Copper, Gold	
Contact Plating Specification	MIL-G-45204	
Dielectric Type	PTFE	
Body Material and Plating	Beryllium Copper, Gold	Brass, Nickel
Body Plating Specification	MIL-G-45204	

Environmental Specifications

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

Plotted and Other Data

Notes:

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PE3W02085

Typical Performance Data

How to Order

Part Number Configuration:

PE3W02085

- XX

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- Unit of Measure:
cm = Centimeters
<blank> = Inches

- Length

- Base Number

Example: PE3W02085-12 = 12 inches long cable
PE3W02085-100cm = 100 cm long cable

SMP Female 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: [SMP Female to BNC Male Cable Using RG178 Coax PE3W02085](#)

URL: <https://www.pasternack.com/smp-female-to-bnc-male-cable-using-rg178-pe3w02085-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.

PE3W02085 CAD Drawing

SMP Female to BNC Male Cable Using RG178 Coax

