



75 Ohm SMB Plug to 75 Ohm BNC Male Cable
72 Inch Length Using 75 Ohm RG179 Coax

RF Cable Assemblies Technical Data Sheet

PE33247-72

Configuration

- Connector 1: SMB Plug
- Connector 2: BNC Male
- Cable Type: RG179

Features

- Max Frequency 1 GHz
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE33247-72 75 ohm SMB plug to 75 ohm BNC male 72 inch cable using 75 ohm RG179 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 SMB to BNC cable assembly has a plug to male gender configuration with 75 ohm flexible RG179 coax. The PE33247-72 SMB plug to BNC male cable assembly operates to 1 GHz.

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 |
|------------------------|---------|------------|---------|--------------|
| Frequency Range | DC | | 1,000 | MHz |
| Capacitance | | 23 [75.46] | | pF/ft [pF/m] |
| Operating Voltage (AC) | | | 335 | Vrms |

Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-------------|----|-----|-----|-----|-------|-------|
| Frequency | 50 | 100 | 250 | 500 | 1,000 | MHz |

Mechanical Specifications

Cable Assembly

Weight 0.1 lbs [45.36 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm SMB Plug to 75 Ohm BNC Male Cable 72 Inch Length Using 75 Ohm RG179 Coax PE33247-72](#)



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Cable

| | |
|--------------------------------------|----------------------------|
| Cable Type | RG179 |
| Impedance | 75 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 | 0.1 in [2.54 mm] |

Connectors

| Description | Connector 1 | Connector 2 |
|-------------------------------|------------------------|-----------------------|
| Type | SMB Plug | BNC Male |
| Impedance | 75 Ohms | 75 Ohms |
| Contact Material and Plating | Beryllium Copper, Gold | Brass, Gold |
| Contact Plating Specification | 30 μ in. minimum | 30 μ in. minimum |
| Dielectric Type | Teflon | Teflon |
| Body Material and Plating | Brass, Nickel | Brass, Nickel |
| Body Plating Specification | 100 μ in. minimum | 100 μ in. minimum |

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:

PE33247

- **xx**

uu

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

Example: PE33247-12 = 12 inches long cable
PE33247-100cm = 100 cm long cable

75 Ohm SMB Plug to 75 Ohm BNC Male Cable 72 Inch Length Using 75 Ohm RG179 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.

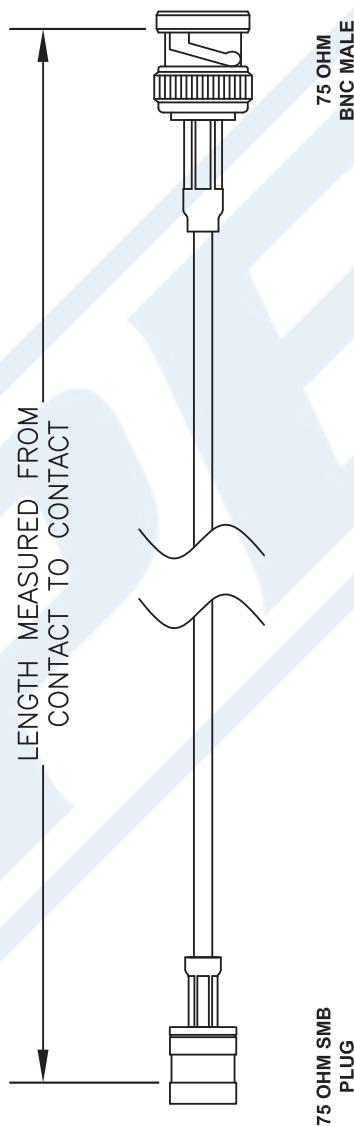
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm SMB Plug to 75 Ohm BNC Male Cable 72 Inch Length Using 75 Ohm RG179 Coax PE33247-72](#)

URL: <https://www.pasternack.com/smb-plug-bnc-male-rg179bu-cable-assembly-pe33247-72-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.

PE33247-72 CAD Drawing
 75 Ohm SMB Plug to 75 Ohm BNC Male Cable 72 Inch
 Length Using 75 Ohm RG179 Coax

| Standard Lengths | |
|------------------|-------------------------|
| -12 | 12" |
| -24 | 24" |
| -36 | 36" |
| -48 | 48" |
| -60 | 60" |
| -XXX | Custom Length in Inches |



| DWG TITLE | | NOTES: | | |
|-------------------|----------|--|----------|--------|
| PE33247-XX | | 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES (mm). 4. LENGTH TOLERANCE IS $\pm 1.5\%$ OR 3/8", WHICHEVER IS GREATER. | | |
| REV. A | FSCM NO. | 53919 | CAD FILE | 030308 |
| | | | SCALE | N/A |
| | | | SIZE | A |
| | | | | 127 |

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