



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

TECHNICAL DATA SHEET

PE34703-72

**Configuration**

|             |               |
|-------------|---------------|
| Connector 1 | Mini SMB Plug |
| Connector 2 | BNC Male      |
| Cable Type  | RG179         |

**Electrical Specifications**

|                           |                 |
|---------------------------|-----------------|
| Frequency Range           | DC to 1,000 MHz |
| Impedance                 | 75 Ohms         |
| Maximum Operating Voltage | 335 Vrms        |

**Typical Performance by Frequency**

**Frequency 1**

|           |        |
|-----------|--------|
| Frequency | 50 MHz |
|-----------|--------|

**Frequency 2**

|           |         |
|-----------|---------|
| Frequency | 100 MHz |
|-----------|---------|

**Frequency 3**

|           |         |
|-----------|---------|
| Frequency | 250 MHz |
|-----------|---------|

**Frequency 4**

|           |         |
|-----------|---------|
| Frequency | 500 MHz |
|-----------|---------|

**Frequency 5**

|           |          |
|-----------|----------|
| Frequency | 1000 MHz |
|-----------|----------|

**Mechanical Specifications**

**Size**

|             |                     |
|-------------|---------------------|
| Length      | 72 in [182.88 cm]   |
| Diameter    | 0.571 in [14.5 mm]  |
| Weight      | 0.051 lbs [23.13 g] |
| Cable Color | Tan                 |

**Cable**

|                       |                           |
|-----------------------|---------------------------|
| Cable Type            | RG179                     |
| Inner Conductor Type  | Stranded                  |
| Cable Inner Conductor | Copper Clad Steel, Silver |
| No of Shields         | 1                         |
| Dielectric Type       | PTFE                      |
| Jacket Material       | FEP                       |
| Jacket Diameter       | 0.1 in [2.54 mm]          |

**Connector 1**

|               |               |
|---------------|---------------|
| Type          | Mini SMB Plug |
| Configuration | Straight      |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Mini SMB Plug to 75 Ohm BNC Male Cable 72 Inch Length Using 75 Ohm RG179 Coax PE34703-72](#)



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Inner Conductor Material and Plating  
Inner Conductor Plating Specification  
Body Material and Plating  
Body Plating Specification  
Dielectric Type

Beryllium Copper, Gold  
30μ in. minimum  
Brass, Nickel  
100μ in. minimum  
Teflon

**Connector 2**

Type  
Configuration  
Inner Conductor Material and Plating  
Inner Conductor Plating Specification  
Body Material and Plating  
Body Plating Specification  
Dielectric Type

BNC Male  
Straight  
Brass, Gold  
30μ in. minimum  
Brass, Nickel  
100μ in. minimum  
Teflon

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

For RoHS Compliant version, use PE34703LF-72. Contact Pasternack if product cannot be found.

REACH Compliant

12/15/2010

Notes:

- Values at +25 °C, sea level

75 Ohm Mini 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% 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 Mini SMB Plug to 75 Ohm BNC Male Cable 72 Inch Length Using 75 Ohm RG179 Coax PE34703-72](http://www.pasternack.com/mini-smb-plug-bnc-male-rg179bu-cable-assembly-pe34703-72-p.aspx)

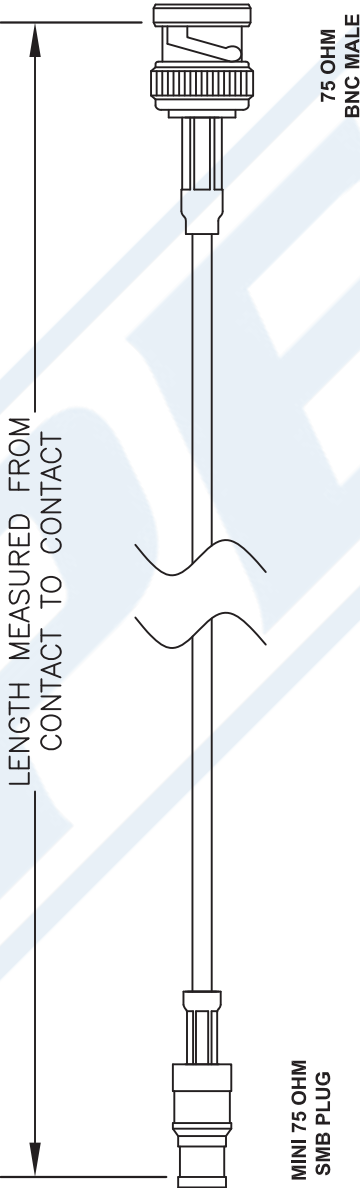
URL: <http://www.pasternack.com/mini-smb-plug-bnc-male-rg179bu-cable-assembly-pe34703-72-p.aspx>

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.

PE34703-72 CAD Drawing

75 Ohm Mini 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 |



- NOTES:
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.

DWG TITLE  
**PE34703-XX**

REV. A  
**FSCM NO. 53919**  
CAD FILE 020508  
SCALE N/A  
SIZE A  
127

**P****ASTERNACK**<sup>®</sup>  
Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
**Phone:** (949) 261-1920 | **Fax:** (949) 261-7451  
**Website:** [www.pasternack.com](http://www.pasternack.com) | **E-Mail:** [sales@pasternack.com](mailto:sales@pasternack.com)