



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

TECHNICAL DATA SHEET

PE34703LF-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, RoHS PE34703LF-72](#)



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

TECHNICAL DATA SHEET

PE34703LF-72

|                                       |                        |
|---------------------------------------|------------------------|
| Inner Conductor Material and Plating  | Beryllium Copper, Gold |
| Inner Conductor Plating Specification | 30µ in. minimum        |
| Body Material and Plating             | Brass, Nickel          |
| Body Plating Specification            | 100µ in. minimum       |
| Dielectric Type                       | Teflon                 |

**Connector 2**

|                                       |                  |
|---------------------------------------|------------------|
| Type                                  | BNC Male         |
| Configuration                         | Straight         |
| Inner Conductor Material and Plating  | Brass, Gold      |
| Inner Conductor Plating Specification | 30µ in. minimum  |
| Body Material and Plating             | Brass, Nickel    |
| Body Plating Specification            | 100µ in. minimum |
| Dielectric Type                       | Teflon           |

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

|                               |            |
|-------------------------------|------------|
| RoHS Compliant                | Yes        |
| 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, RoHS 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, RoHS PE34703LF-72](http://www.pasternack.com/mini-smb-plug-bnc-male-rg179bu-cable-assembly-pe34703lf-72-p.aspx)

URL: <http://www.pasternack.com/mini-smb-plug-bnc-male-rg179bu-cable-assembly-pe34703lf-72-p.aspx>

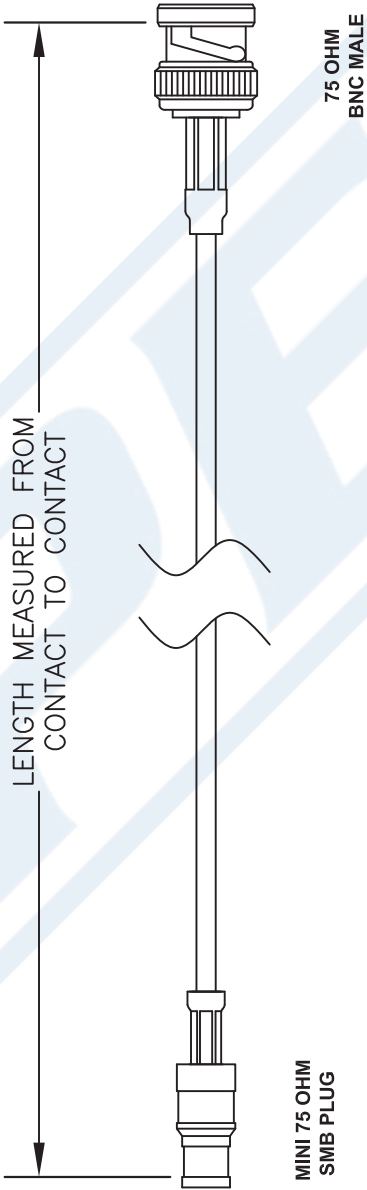
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.



# PE34703LF-72 CAD Drawing

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

| 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  
**PE34703LF-XX**

**PASTERNAK®**  
 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)

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