



## SMB Plug to BNC Male Cable Using RG174 Coax

# RF Cable Assemblies - PE3672

### Configuration

- Connector 1: SMB Plug
- Connector 2: BNC Male
- Cable Type: RG174

### Electrical Specifications

| Description             | Minimum | Typical       | Maximum | Units        |
|-------------------------|---------|---------------|---------|--------------|
| Frequency Range         | DC      |               | 1,000   | MHz          |
| VSWR                    |         |               | 1.4:1   |              |
| Velocity of Propagation |         | 66            |         | %            |
| Capacitance             |         | 30.8 [101.05] |         | pF/ft [pF/m] |

### Specifications by Frequency

| Description    | F1              | F2              | F3              | F4              | F5             | Units           |
|----------------|-----------------|-----------------|-----------------|-----------------|----------------|-----------------|
| Frequency      | 50              | 100             | 250             | 500             | 1000           | MHz             |
| Insertion Loss | 0.242<br>[0.79] | 0.284<br>[0.93] | 0.337<br>[1.11] | 0.412<br>[1.35] | 0.52<br>[1.71] | dB/ft<br>[dB/m] |
| VSWR           | 1.4:1           | 1.4:1           | 1.4:1           | 1.4:1           | 1.4:1          |                 |
| Return Loss    | 15.56           | 15.563          | 15.563          | 15.563          | 15.563         | dB              |

### Mechanical Specifications

#### Cable Assembly

|                 |                    |
|-----------------|--------------------|
| Diameter        | 0.571 in [14.5 mm] |
| Weight          | 0.041 lbs [18.6 g] |
| Cable Color     | Black              |
| Connection Type | Between Series     |

#### Cable

|                                      |                   |
|--------------------------------------|-------------------|
| Cable Type                           | RG174             |
| Impedance                            | 50 Ohms           |
| Inner Conductor Type                 | Stranded          |
| Inner Conductor Material and Plating | Copper Clad Steel |
| Dielectric Type                      | PE (LD)           |
| Number of Shields                    | 1                 |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMB Plug to BNC Male Cable Using RG174 Coax PE3672](#)



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Shield Layer 1  
Jacket Material  
Jacket Diameter

Tinned Copper Braid  
PVC  
0.1 in [2.54 mm]

### Connectors

| Description                   | Connector 1            | Connector 2      |
|-------------------------------|------------------------|------------------|
| Type                          | SMB Plug               | BNC Male         |
| Specification                 | MIL-STD-348A           | MIL-STD-348A     |
| Impedance                     | 50 Ohms                | 50 Ohms          |
| Connection Method             | Standard               | Standard         |
| Contact Material and Plating  | Beryllium Copper, Gold | Brass, Gold      |
| Contact Plating Specification | 30µ in. minimum        | 30µ in. minimum  |
| Dielectric Type               | Teflon                 | Teflon           |
| Body Material and Plating     | Brass, Nickel          | Brass, Nickel    |
| Body Plating Specification    | 100µ in. minimum       | 100µ in. minimum |

### Environmental Specifications

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

For RoHS Compliant version, use PE3672LF. Contact Pasternack if product cannot be found.  
REACH Compliant 12/19/2011

#### Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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## SMB Plug to BNC Male Cable Using RG174 Coax

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### How to Order

Part Number Configuration:

PE3672

- xx

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3672-12 = 12 inches long cable  
PE3672-100cm = 100 cm long cable

SMB Plug to BNC Male Cable Using RG174 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.

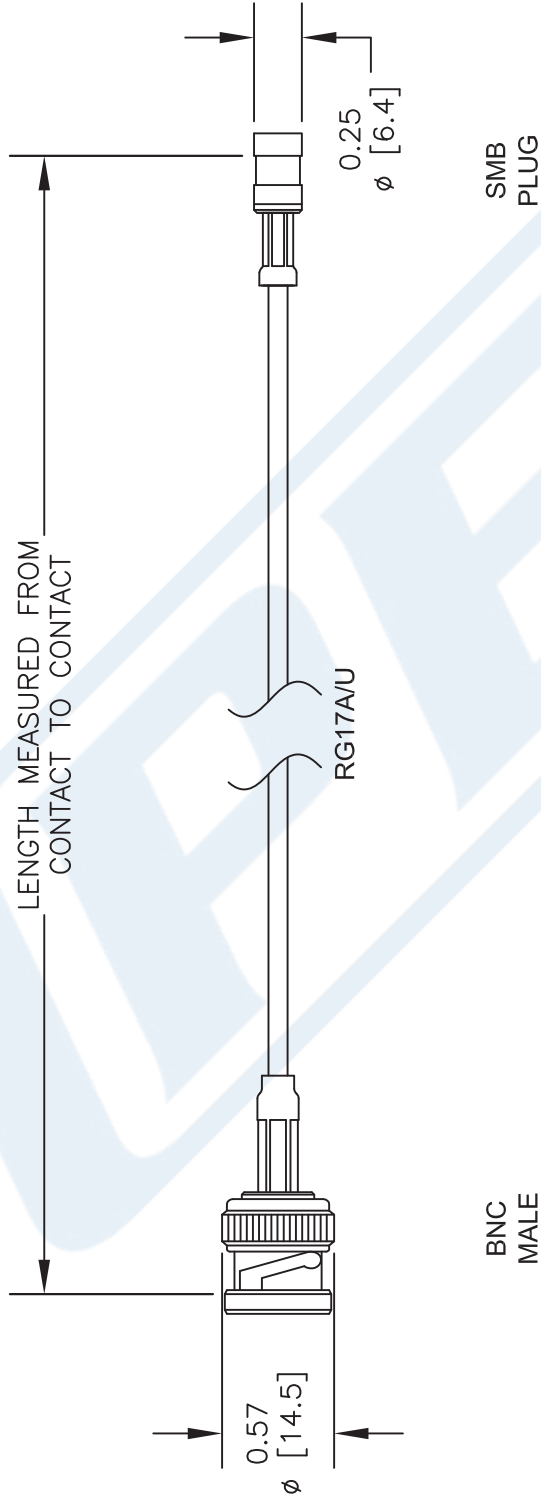
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMB Plug to BNC Male Cable Using RG174 Coax PE3672](#)

URL: <http://www.pasternack.com/smb-plug-bnc-male-rg174au-cable-assembly-pe3672-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.

# PE3672 CAD Drawing

## SMB Plug to BNC Male Cable Using RG174 Coax



DWG TITLE

**PE3672**

- 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 ± 1.5% OR 3/8", WHICHEVER IS GREATER.

FSCM NO. 53919

CAD FILE 070915

SCALE N/A

SIZE A

2233



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