



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 [0.79]	0.284 [0.93]	0.337 [1.11]	0.412 [1.35]	0.52 [1.71]	dB/ft [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 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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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.

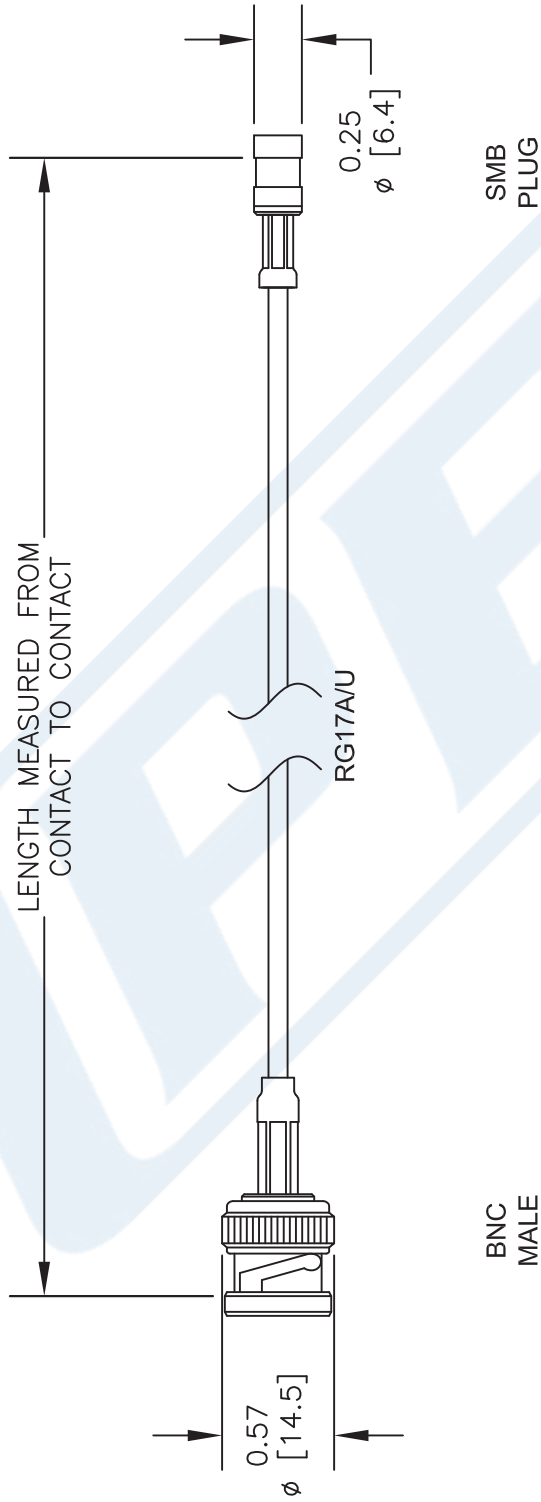
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URL: <http://www.pasternack.com/smb-plug-bnc-male-rg174au-cable-assembly-pe3672-p.aspx>

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 $\pm 1.5\%$ OR $3/8"$, WHICHEVER IS GREATER.

FSCM NO. 53919

CAD FILE 070915

SCALE N/A

SIZE A

2233



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