PASTERNACK
THE ENGINEER'S RF SOURCE



# SMB Plug to BNC Male Cable 60 Inch Length Using RG174 Coax

## RF Cable Assemblies Technical Data Sheet PE3C3318-60

### 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 | | 31.1 [102.03] | | pF/ft [pF/m] |

### Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|---|---|---|---|---|---|---|
| Frequency | 50 | 100 | 250 | 500 | 1,000 | MHz |
| Insertion Loss (Typ.) | 0.41 | 0.62 | 0.885 | 1.258 | 1.8 | dB |

### Mechanical Specifications

**Cable Assembly**

| | |
|---|---|
| Length* | 60 in [152.4 cm] |
| Diameter | 0.57 in [14.48 mm] |

**Cable**

| | |
|---|---|
| Cable Type | RG174 |
| Impedance | 50 Ohms |
| Inner Conductor Type | Stranded |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type | PE (LD) |
| Number of Shields | 1 |
| Shield Layer 1 | Tinned Copper Braid |
| Jacket Material | PVC, Black |
| Jacket Diameter | 0.11 in [2.79 mm] |

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 60 Inch Length Using RG174 Coax PE3C3318-60

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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### Connectors

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

Mechanical Specification Notes:
*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.

## Environmental Specifications

**Temperature**

Operating Range -40 to +80 deg C

## 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: **PE3C3318 - xx uu**

- uu — Unit of Measure: cm = Centimeters, <blank> = Inches
- xx — Length
- PE3C3318 — Base Number

Example: PE3C3318-12 = 12 inches long cable
PE3C3318-100cm = 100 cm long cable

SMB Plug to BNC Male Cable 60 Inch Length Using RG174 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% 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: SMB Plug to BNC Male Cable 60 Inch Length Using RG174 Coax PE3C3318-60

URL: https://www.pasternack.com/smb-plug-bnc-male-rg174au-cable-assembly-pe3c3318-60-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.

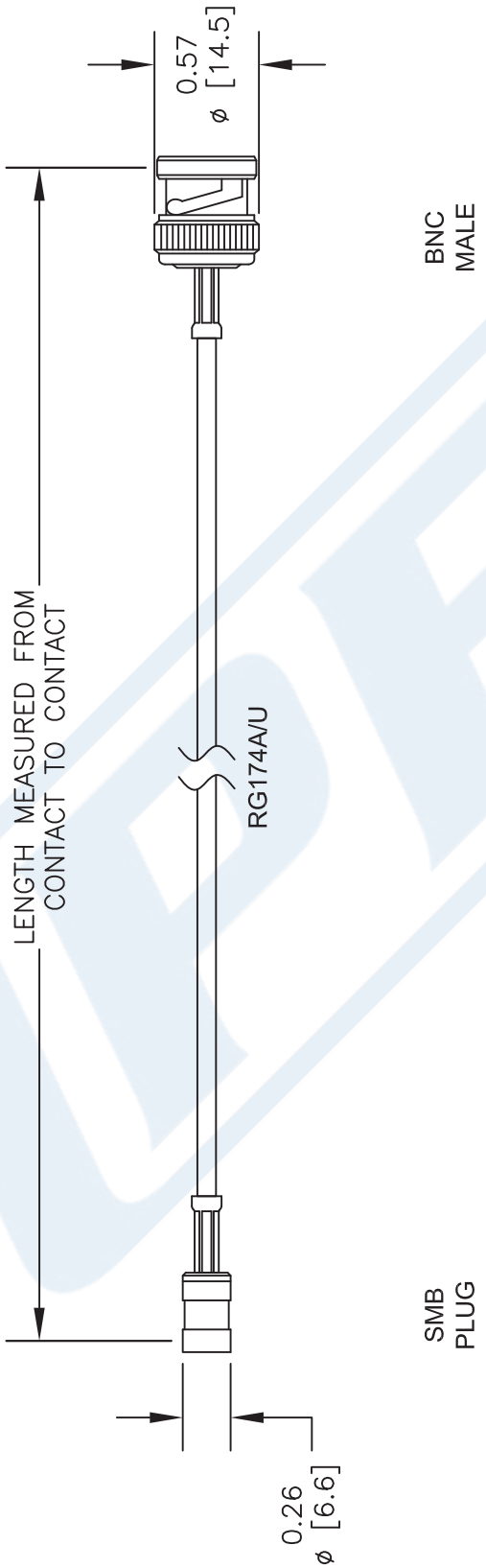
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# PE3C3318-60 CAD Drawing

SMB Plug to BNC Male Cable 60 Inch Length Using RG174 Coax




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].

DWG TITLE
PE3C3318

CAD FILE 111816 | SCALE N/A | SIZE A | 2233

CAGE CODE 53919

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