



**SMB Plug to BNC Male Cable 48 Inch Length  
Using RG188 Coax, LF Solder, RoHS**

**RF Cable Assemblies Technical Data Sheet**

**PE3C3428LF-48**

**Configuration**

- Connector 1: SMB Plug
- Connector 2: BNC Male
- Cable Type: RG188

**Features**

- Max Frequency 3 GHz
- PTFE Jacket

**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE3C3428LF-48 SMB plug to BNC male 48 inch cable using RG188 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack SMB to BNC cable assembly has a plug to male gender configuration with 50 ohm flexible RG188 coax. The PE3C3428LF-48 SMB plug to BNC male cable assembly operates to 3 GHz.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

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 48 Inch Length Using RG188 Coax, LF Solder, RoHS PE3C3428LF-48](#)



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**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Max.)	0.4	0.7				dB
Insertion Loss (Typ.)	0.4	0.7				dB
VSWR (Max.)	1.4:1	1.4:1	1.4:1	1.4:1	1.4:1	
Return Loss (Max.)	15.56	15.563	15.563	15.563	15.563	dB

**Mechanical Specifications**

**Cable Assembly**

Weight 0.083 lbs [37.65 g]

**Cable**

Cable Type RG188  
Impedance 50 Ohms  
Inner Conductor Type Stranded  
Inner Conductor Material and Plating Copper Clad Steel, Silver  
Dielectric Type PTFE  
Number of Shields 1  
Shield Layer 1 Silver Plated Copper Braid  
Jacket Material PTFE, White  
Jacket Diameter 0.11 in [2.79 mm]

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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 $\mu$ in minimum	50 $\mu$ in. minimum
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 $\mu$ in minimum	100 $\mu$ in. minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 $\mu$ in minimum	100 $\mu$ in. minimum

**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:

**PE3C3428LF**

- **xx**

**uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches  
Length  
Base Number

Example: PE3C3428LF-12 = 12 inches long cable  
PE3C3428LF-100cm = 100 cm long cable

SMB Plug to BNC Male Cable 48 Inch Length Using RG188 Coax, LF Solder, RoHS 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.

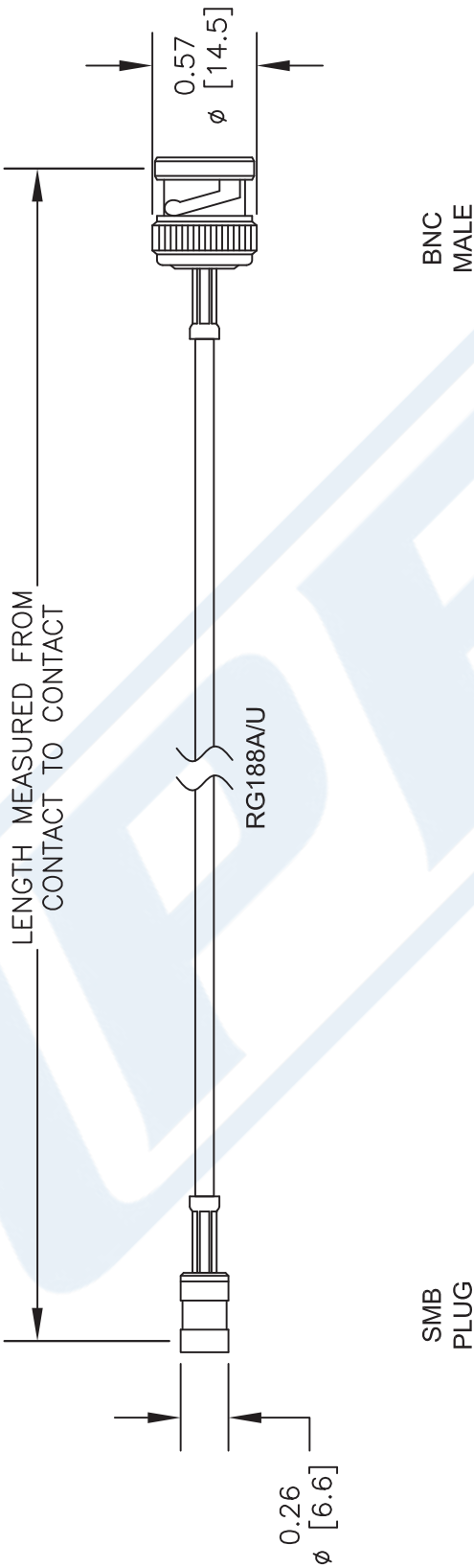
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMB Plug to BNC Male Cable 48 Inch Length Using RG188 Coax, LF Solder, RoHS PE3C3428LF-48](https://www.pasternack.com/smb-plug-bnc-male-rg188au-cable-assembly-pe3c3428lf-48-p.aspx)

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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.

PE3C3428LF-48 CAD Drawing

SMB Plug to BNC Male Cable 48 Inch Length Using RG188 Coax, LF Solder, RoHS



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  
**PE3C3428LF**

FSCM NO. 53919

CAD FILE 102116

SCALE N/A

SIZE A

2233

**PE PASTERNAK®**  
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