SMB Plug to BNC Male Cable 24 Inch Length Using RG58 Coax, RoHS

RF Cable Assemblies Technical Data Sheet   PE3242LF-24
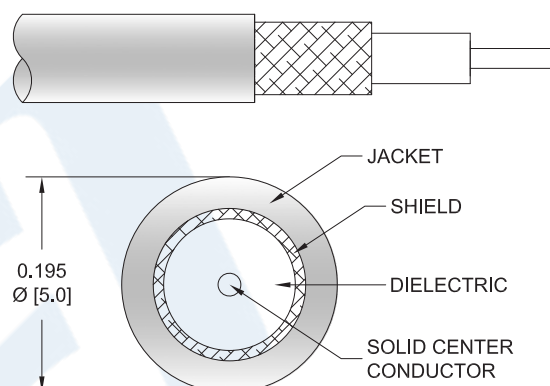
Configuration

- Connector 1: SMB Plug
- Connector 2: BNC Male
- Cable Type: RG58

Features

- Max Frequency 4 GHz
- Shielding Effectivity > 45 dB
- 65.9% Phase Velocity
- PVC (NC) Jacket

JACKET

SHIELD

DIELECTRIC

SOLID CENTER CONDUCTOR

0.195 Ø [5.0]

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3242LF-24 SMB plug to BNC male 24 inch cable using RG58 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 RG58 coax. The PE3242LF-24 SMB plug to BNC male cable assembly operates to 4 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
VSWR			1.4:1	
Velocity of Propagation		65.9		%
RF Shielding	45			dB
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			335	Vrms

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 24 Inch Length Using RG58 Coax, RoHS PE3242LF-24

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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	4	GHz
Insertion Loss (Typ.)	0.298	0.348	0.432	0.6	1.2	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
Length*   24 in [609.6 mm]
Diameter   0.571 in [14.5 mm]

Weight   0.096 lbs [43.54 g]

Cable
Cable Type   RG58
Impedance   50 Ohms
Inner Conductor Type   Stranded
Inner Conductor Material and Plating Copper, Tin
Dielectric Type   PE
Number of Shields   1
Shield Layer 1   Tinned Copper Braid
Jacket Material   PVC (NC), Black
Jacket Diameter   0.195 in [4.95 mm]

One Time Minimum Bend Radius   2 in [50.8 mm]

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	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

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Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

Sales@Pasternack.com • Techsupport@Pasternack.com

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

Compliance Certifications (see product page for current document)

Plotted and Other Data
Notes:
• Values at 25°C, sea level.

How to Order

Part Number Configuration: **PE3242LF   - xx   uu**

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

Example: PE3242LF-12 = 12 inches long cable
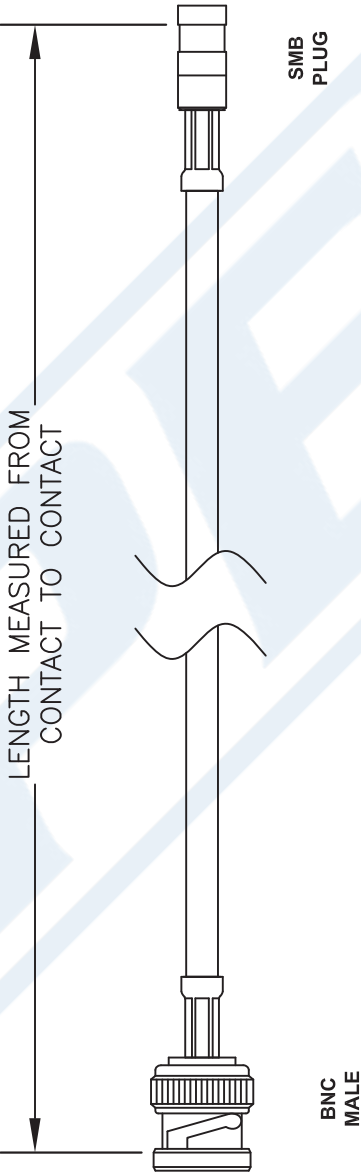PE3242LF-100cm = 100 cm long cable

SMB Plug to BNC Male Cable 24 Inch Length Using RG58 Coax, 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 24 Inch Length Using RG58 Coax, RoHS PE3242LF-24

URL: https://www.pasternack.com/smb-plug-bnc-male-rg58cu-cable-assembly-pe3242lf-24-p.aspx

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PE3242LF-24 CAD Drawing
SMB Plug to BNC Male Cable 24 Inch Length Using RG58 Coax, RoHS

Standard Lengths

-12	12"
-24	24"
-36	36"
-48	48"
-60	60"
-XXX	Custom Length in Inches

RoHS 2002/95/EC
RoHS Compliance Certified

SMB PLUG

LENGTH MEASURED FROM CONTACT TO CONTACT

BNC MALE

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.

SIZE	A
127	
SCALE	N/A
CAD FILE	010207

DWG TITLE
PE3242LF

FSCM NO. 53919

REV. -

PE3242LF-24 REV