



75 Ohm SMC Plug to 75 Ohm BNC Male Cable 48 Inch Length Using 75 Ohm PE-B159-BK Black Coax

RF Cable Assemblies Technical Data Sheet

PE39260/BK-48

**Configuration**

- Connector 1: SMC Plug
- Connector 2: BNC Male
- Cable Type: MINI 59

**Features**

- 83% Phase Velocity
- Double Shielded
- PVC Jacket

**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE39260/BK-48 75 ohm SMC plug to 75 ohm BNC male 48 inch cable using 75 ohm PE-B159-BK 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 SMC to BNC cable assembly has a plug to male gender configuration with 75 ohm flexible MINI 59 coax. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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
Velocity of Propagation		83		%
Capacitance		16.5 [54.13]		pF/ft [pF/m]

**Mechanical Specifications**

**Cable Assembly**

Length*	48 in [121.92 cm]
Diameter	0.57 in [14.48 mm]
Weight	0.1006 lbs [45.63 g]

**Cable**

Cable Type	MINI 59
Impedance	75 Ohms
Inner Conductor Type	Solid

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm SMC Plug to 75 Ohm BNC Male Cable 48 Inch Length Using 75 Ohm PE-B159-BK Black Coax PE39260/BK-48](#)



75 Ohm SMC Plug to 75 Ohm BNC Male Cable 48 Inch Length Using 75 Ohm PE-B159-BK Black Coax

RF Cable Assemblies Technical Data Sheet

PE39260/BK-48

Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Number of Shields	2
Shield Layer 1	Aluminum Tape
Shield Layer 2	Tinned Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.159 in [4.04 mm]
One Time Minimum Bend Radius	1.5 in [38.1 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	SMC Plug	BNC Male
Impedance	75 Ohms	75 Ohms
Contact Material and Plating	Gold	Brass, Gold
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Hex Size	3/8 in	
Torque	5 in-lbs [0.57 Nm]	

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

- Values at 25°C, sea level.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm SMC Plug to 75 Ohm BNC Male Cable 48 Inch Length Using 75 Ohm PE-B159-BK Black Coax PE39260/BK-48](#)



75 Ohm SMC Plug to 75 Ohm BNC Male Cable 48 Inch Length Using 75 Ohm PE-B159-BK Black Coax

## RF Cable Assemblies Technical Data Sheet

PE39260/BK-48

### How to Order

Part Number Configuration:

PE39260/BK - xx uu

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

Example: PE39260/BK-12 = 12 inches long cable  
PE39260/BK-100cm = 100 cm long cable

75 Ohm SMC Plug to 75 Ohm BNC Male Cable 48 Inch Length Using 75 Ohm PE-B159-BK Black 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: [75 Ohm SMC Plug to 75 Ohm BNC Male Cable 48 Inch Length Using 75 Ohm PE-B159-BK Black Coax PE39260/BK-48](#)

URL: <https://www.pasternack.com/smc-plug-bnc-male-pe-b159-bk-cable-assembly-pe39260-bk-48-p.aspx>

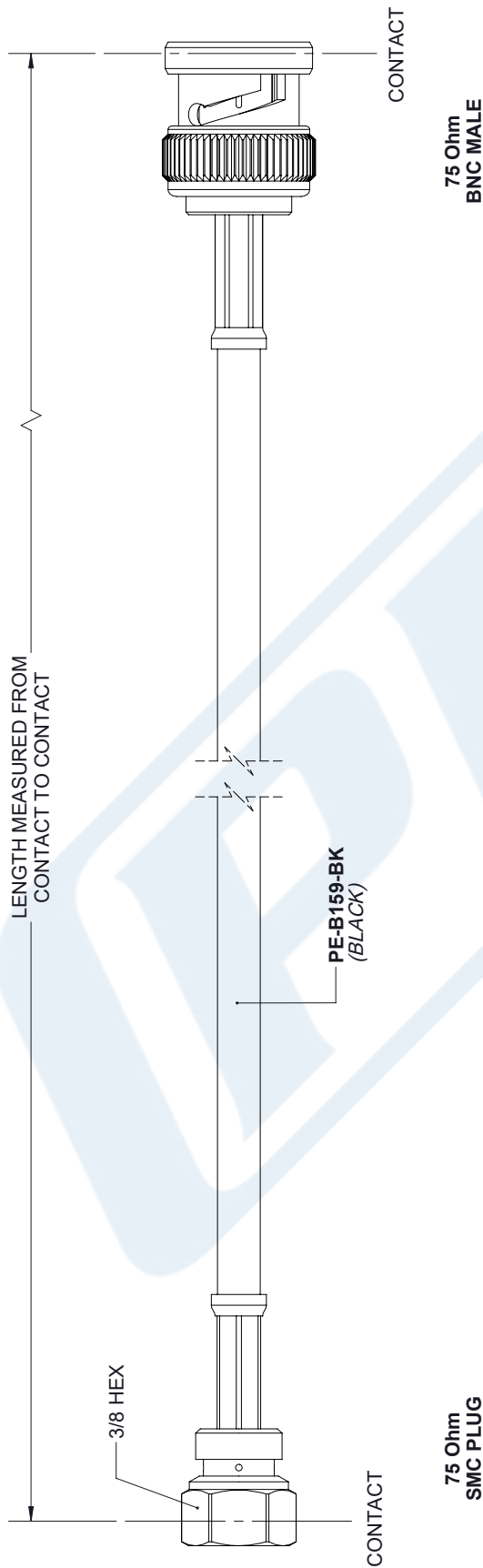
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

# PE39260/BK-48 CAD Drawing

75 Ohm SMC Plug to 75 Ohm BNC Male Cable 48 Inch

Length Using 75 Ohm PE-B159-BK Black Coax

REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	6/17/2020
		APPROVED
		S. SELLIS



<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <table border="0"> <tr> <td>.X = ±.2</td> <td>[.08]</td> <td>FRACTIONS</td> <td></td> </tr> <tr> <td>.XX = ±.02</td> <td>[.51]</td> <td></td> <td>± 1/32</td> </tr> <tr> <td>.XXX = ±.005</td> <td>[.13]</td> <td>ANGLES ± 1°</td> <td></td> </tr> </table> <p>CABLE LENGTH (L) TOLERANCES:</p> <table border="0"> <tr> <td>L ≤ 12</td> <td>[305]</td> <td>= +1 [25] / -0</td> </tr> <tr> <td>12 [305] &lt; L ≤ 60</td> <td>[1524]</td> <td>= +2 [51] / -0</td> </tr> <tr> <td>60 [1524] &lt; L ≤ 120</td> <td>[3048]</td> <td>= +4 [102] / -0</td> </tr> <tr> <td>120 [3048] &lt; L ≤ 300</td> <td>[7620]</td> <td>= +6 [152] / -0</td> </tr> <tr> <td>300 [7620] &lt; L ≤ ∞</td> <td></td> <td>= +5% / L / -0</td> </tr> </table> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>	.X = ±.2	[.08]	FRACTIONS		.XX = ±.02	[.51]		± 1/32	.XXX = ±.005	[.13]	ANGLES ± 1°		L ≤ 12	[305]	= +1 [25] / -0	12 [305] < L ≤ 60	[1524]	= +2 [51] / -0	60 [1524] < L ≤ 120	[3048]	= +4 [102] / -0	120 [3048] < L ≤ 300	[7620]	= +6 [152] / -0	300 [7620] < L ≤ ∞		= +5% / L / -0	<p><b>PE PASTERNAK</b> an INFINIT brand</p> <p>Pasternack Enterprises, Inc. P. O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920   1.866.727.8376 Fax: 1.949.261.7451 Website: www.pasternack.com E-mail: sales@pasternack.com</p>	<p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p> <p>SCALE N/A</p>
	.X = ±.2	[.08]	FRACTIONS																										
.XX = ±.02	[.51]		± 1/32																										
.XXX = ±.005	[.13]	ANGLES ± 1°																											
L ≤ 12	[305]	= +1 [25] / -0																											
12 [305] < L ≤ 60	[1524]	= +2 [51] / -0																											
60 [1524] < L ≤ 120	[3048]	= +4 [102] / -0																											
120 [3048] < L ≤ 300	[7620]	= +6 [152] / -0																											
300 [7620] < L ≤ ∞		= +5% / L / -0																											
<p>SIZE A</p> <p>CAGE CODE A</p> <p>DRAWN BY K.DANG</p> <p>ITEM NO. PE39260/BK</p> <p>REV. A</p>																													

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.