

BNC Male to SMA Male Low Loss Cable Using PE-C400 Coax with HeatShrink



RF Cable Assemblies Technical Data Sheet

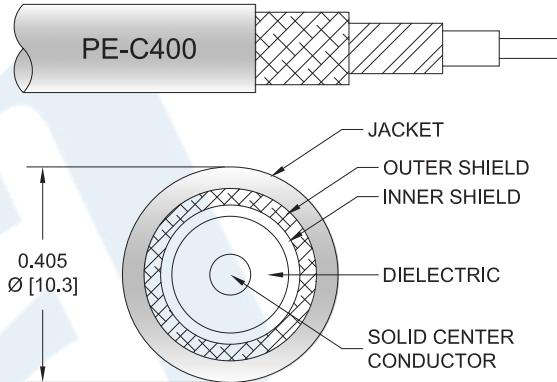
PE39947/HS

Configuration

- Connector 1: BNC Male
- Connector 2: SMA Male
- Cable Type: PE-C400

Features

- Shielding Effectivity > 90 dB
- 85% Phase Velocity
- Double Shielded
- PE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE39947/HS BNC male to SMA male cable using PE-C400 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 BNC to SMA cable assembly has a male to male gender configuration with 50 ohm flexible PE-C400 coax. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 90 dB.

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		85		%
RF Shielding	90			dB
Capacitance		23.9 [78.41]		pF/ft [pF/m]
Inductance		0.059 [0.19]		uH/ft [uH/m]
DC Resistance Inner Conductor		1.39 [4.56]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		1.85 [6.07]		Ω/1000ft [Ω/Km]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male to SMA Male Low Loss Cable Using PE-C400 Coax with HeatShrink PE39947/HS](#)



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Mechanical Specifications

Cable Assembly

Weight	0.192 lbs [87.09 g]
Cable	
Cable Type	PE-C400
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Aluminum
Dielectric Type	PE (F)
Number of Shields	2
Shield Layer 1	Aluminum Tape
Shield Layer 2	Tinned Copper Braid
Jacket Material	PE, Black
Jacket Diameter	0.405 in [10.29 mm]
Repeated Minimum Bend Radius	4 in [101.6 mm]

Connectors

Description	Connector 1	Connector 2
Type	BNC Male	SMA Male
Specification	MIL-STD-348	
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Silver	Brass, Gold
Contact Plating Specification	QQ-S-365	
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Gold
Body Plating Specification	QQ-N-290	
Coupling Nut Material and Plating	Brass, Nickel	Brass, Gold
Coupling Nut Plating Specification	QQ-N-290	
Hex Size	5/16 inch	
Torque		3 in-lbs [0.34 Nm]

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

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BNC Male to SMA Male Low Loss Cable
Using PE-C400 Coax with HeatShrink



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PE39947/HS

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

PE39947/HS - xx uu

Unit of Measure:
cm = Centimeters
<blank> = Inches

Length

Base Number

Example: PE39947/HS-12 = 12 inches long cable
PE39947/HS-100cm = 100 cm long cable

BNC Male to SMA Male Low Loss Cable Using PE-C400 Coax with HeatShrink 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.

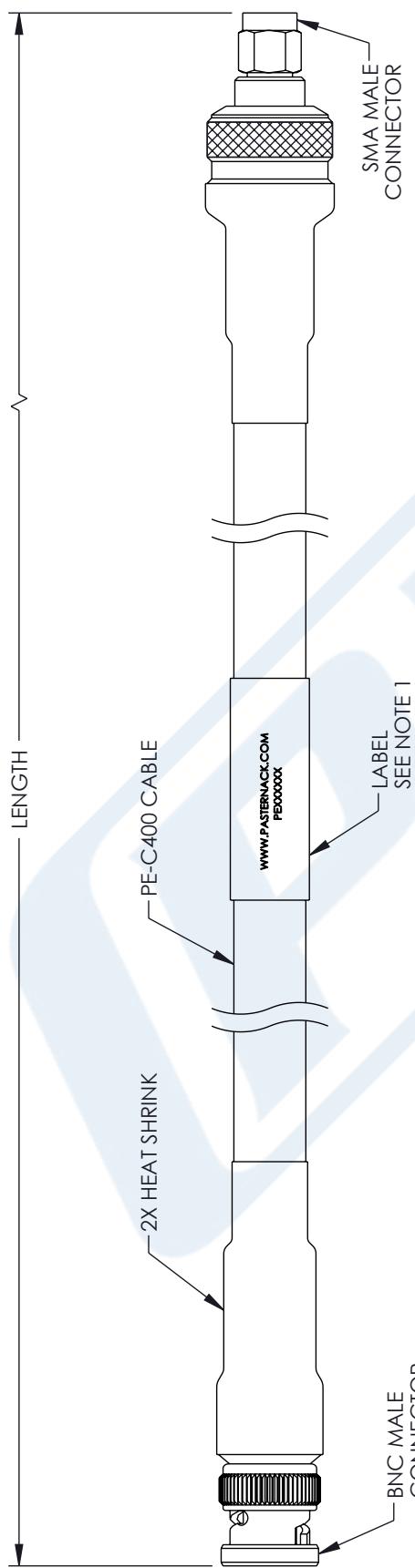
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URL: <https://www.pasternack.com/bnc-male-to-sma-male-low-loss-cable-using-pe-c400-with-heatshrink-pe39947-hs-p.aspx>

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PE39947/HS CAD Drawing

BNC Male to SMA Male Low Loss Cable Using PE-C400 Coax with HeatShrink



NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT:
36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED.
LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES
FROM EACH CONNECTOR.
CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
- 2.

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LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

$X = \pm 2$	$[5]$	FRACTIONS
$.X\bar{X} = \pm 0.02$	$[.5]$	$\pm 1/32$
$.X\bar{X}X = \pm 0.005$	$[.13]$	ANGLES $\pm 1^\circ$

CABLE LENGTH TOLERANCES:

$\pm 12 [35\%] = \pm 12 [25\%] = -0.35$

$45 [20\%] = 45 [15\%] = -0.15$

BNC MALE TO SMA MALE LOW LOSS CABLE USING PE-C400 COAX WITH HEATSHRINK				
SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	KGLEBOVA	PE39947/HS	A