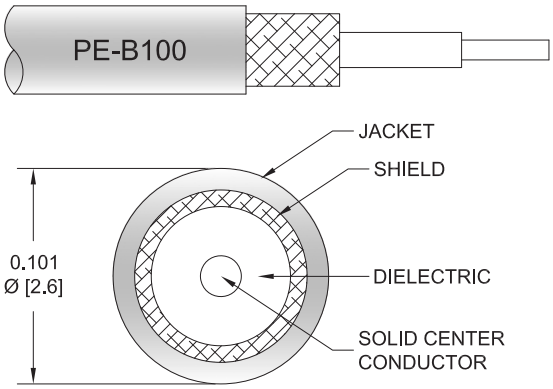
SMA Male to SMC Plug Cable Using PE-B100 Coax

PE34460

Configuration

- Connector 1: SMA Male
- Connector 2: SMC Plug
- Cable Type: PE-B100
- Coax Flex Type: Flexible



Features

- Max Frequency 6 GHz
- 62% Phase Velocity
- Double Shielded
- PVC Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE34460 SMA male to SMC plug cable using PE-B100 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 SMA to SMC cable assembly has a male to plug gender configuration with 50 ohm flexible PE-B100 coax. The PE34460 SMA male to SMC plug cable assembly operates to 6 GHz. 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
Frequency Range	DC		6	GHz
VSWR			1.4:1	
Velocity of Propagation		62		%
Capacitance		38 [124.67]		pF/ft [pF/m]
Operating Voltage (AC)			335	Vrms

Mechanical Specifications

Cable Assembly

Width/Diameter	0.312 in [7.92 mm]
Weight	0.012 lbs [5.44 g]

Cable

Cable Type	PE-B100

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Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel
Dielectric Type	PE
Number of Shields	2
Shield Layer 1	PVC
Shield Layer 2	Tinned Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.101 in [2.57 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMC Plug
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	30µ in. Minimum	30µ in. minimum
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100µ in. Minimum	100µ in. minimum
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100µ in. Minimum	
Hex Size	5/16 in	1/4 in
Torque	5 in-lbs 0.57 Nm	

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:
Values at 25°C, sea level.

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Typical Performance Data

How to Order

Part Number Configuration: **PE34460 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE34460 — Base Number

Example: PE34460-12 = 12 inches long cable
PE34460-100cm = 100 cm long cable

SMA Male to SMC Plug Cable Using PE-B100 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: SMA Male to SMC Plug Cable Using PE-B100 Coax PE34460

URL: https://www.pasternack.com/sma-male-smc-plug-pe-b100-cable-assembly-pe34460-p.aspx

PE34460 CAD Drawing

SMA Male to SMC Plug Cable Using PE-B100 Coax