

SMC Plug to SMC Plug Right Angle Cable Using PE-B100 Coax

PE34502

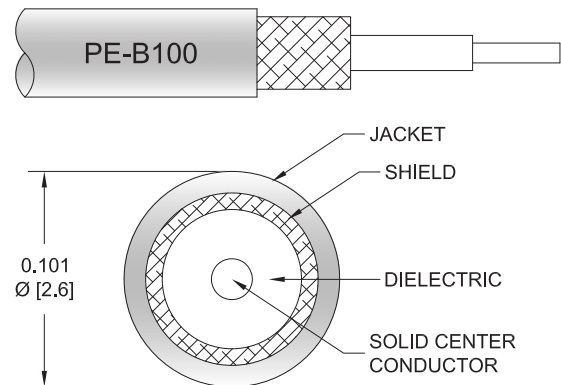


Configuration

- Connector 1: SMC Plug
- Connector 2: SMC Plug Right Angle
- Cable Type: PE-B100
- Coax Flex Type: Flexible

Features

- Max Frequency 4 GHz
- 62% Phase Velocity
- Double Shielded
- PVC Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE34502 SMC plug to SMC plug right angle 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 SMC to SMC cable assembly has a plug to plug gender configuration with 50 ohm flexible PE-B100 coax. The PE34502 SMC plug to SMC plug cable assembly operates to 4 GHz. The right angle SMC interface on the PE-B100 cable allows for easier connections in tight spaces. 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		4	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

0.451 in [11.46 mm]

Weight

0.013 lbs [5.9 g]

SMC Plug to SMC Plug Right Angle Cable Using PE-B100 Coax

PE34502



Cable

Cable Type	PE-B100
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	SMC Plug	SMC Plug Right Angle
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, 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
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		100μ in. minimum
Hex Size	1/4 in	1/4 in.
Torque		3 in-lbs 0.34 Nm

Environmental Specifications

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

Plotted and Other Data

Notes:
Values at 25°C, sea level.

SMC Plug to SMC Plug Right Angle Cable Using PE-B100 Coax

PE34502



Typical Performance Data

How to Order

Part Number Configuration:

PE34502

- xx

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE34502-12 = 12 inches long cable
PE34502-100cm = 100 cm long cable

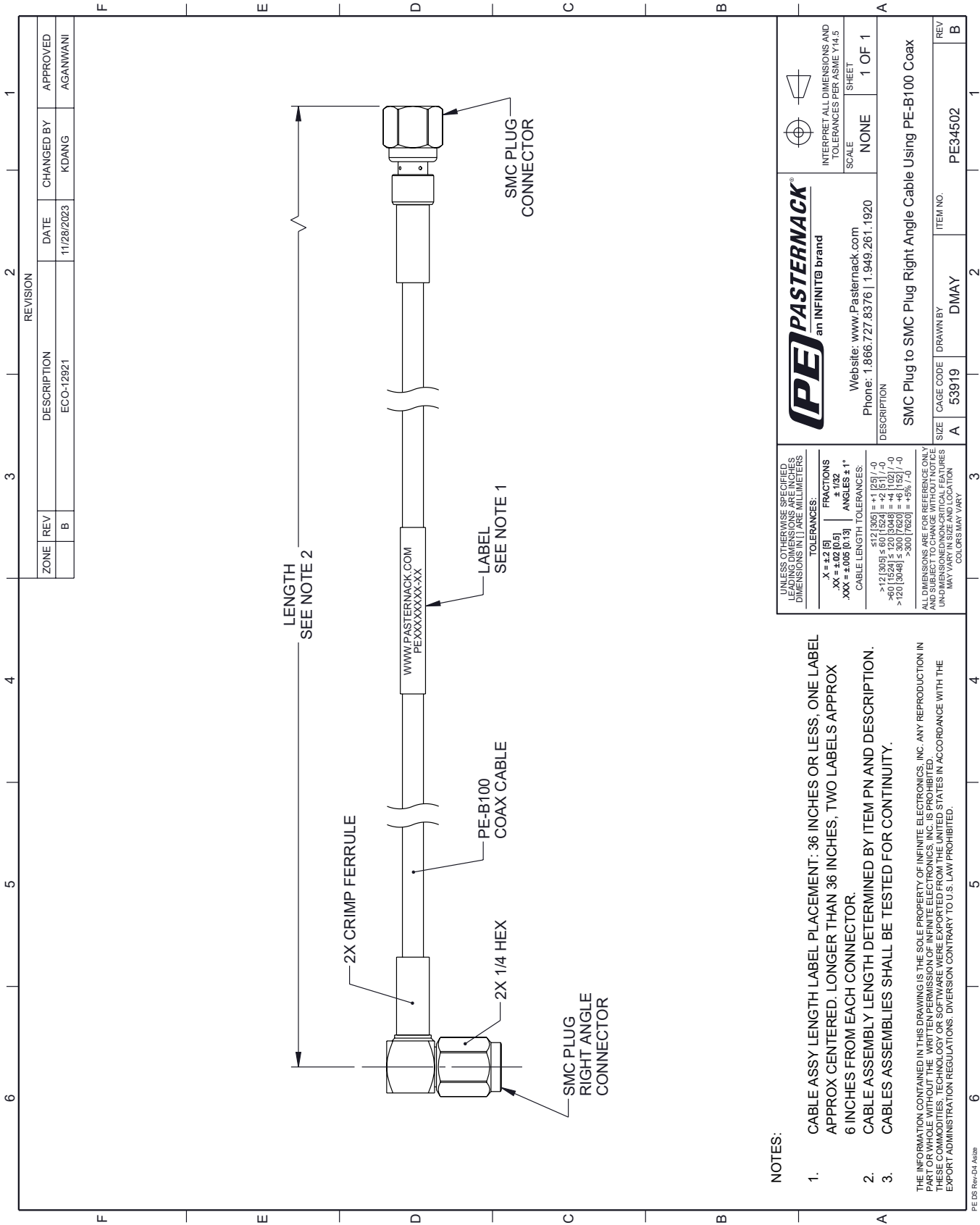
SMC Plug to SMC Plug Right Angle Cable Using PE-B100 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMC Plug to SMC Plug Right Angle Cable Using PE-B100 Coax PE34502](#)

URL: <https://www.pasternack.com/smc-plug-smc-plug-pe-b100-cable-assembly-pe34502-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE34502 CAD Drawing
SMC Plug to SMC Plug Right Angle Cable Using PE-B100 Coax



NOTES:

- 1. CABLE ASSY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROX 6 INCHES FROM EACH CONNECTOR.
- 2. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
- 3. CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES, DIMENSIONS IN [] ARE MILLIMETERS.

TOLERANCES:	
.X = ±.2 [5]	FRACTIONS ± 1/32
.XX = ±.02 [0.5]	ANGLES ± 1°
.XXX = ±.005 [0.13]	

CABLE LENGTH TOLERANCES:

≤ 12 [305]	±.12 [3.05]
> 12 [305] ≤ 60 [1524]	±.15 [3.81]
> 60 [1524] ≤ 120 [3048]	±.20 [5.08]
> 120 [3048]	±.30 [7.62]

ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS NOTED AS MINIMUM OR MAXIMUM ARE NON-CRITICAL FEATURES. UNLESS OTHERWISE SPECIFIED, DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

PE PASTERNAK® an INFINITE® brand

Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE NONE SHEET 1 OF 1

DESCRIPTION: SMC Plug to SMC Plug Right Angle Cable Using PE-B100 Coax

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	DMAY	PE34502	B