



SMA Male to SMP Female Cable Using PE-P086 Coax

TECHNICAL DATA SHEET

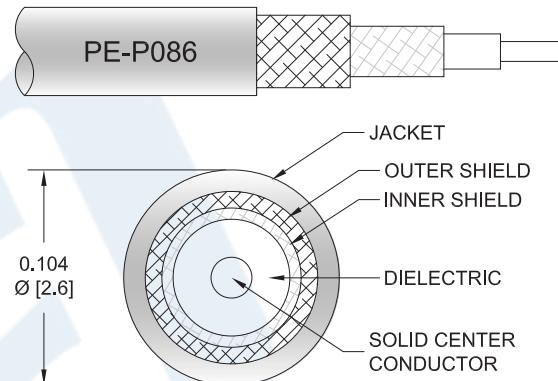
PE3C3551

Configuration

- Connector 1: SMA Male
- Connector 2: SMP Female
- Cable Type: PE-P086
- Coax Flex Type: Flexible

Features

- Shielding Effectivity > 110 dB
- 70% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C3551 SMA male to SMP female cable using PE-P086 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 SMP cable assembly has a male to female gender configuration with 50 ohm flexible PE-P086 coax. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 110 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		70		%
RF Shielding	110			dB
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Weight

0.023 lbs [10.43 g]

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 SMP Female Cable Using PE-P086 Coax PE3C3551](#)



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Cable

Cable Type	PE-P086
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Tape
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	FEP, Blue
Jacket Diameter	0.104 in [2.64 mm]

Repeated Minimum Bend Radius

0.52 in [13.21 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male Threaded	SMP Female Push-On
Specification		DESC 94008
Impedance	50 Ohms	50 Ohms
Contact Material and Plating		Beryllium Copper, Gold
Contact Plating Specification		MIL-G-45204
Dielectric Type		PTFE
Body Material and Plating		Beryllium Copper, Gold
Body Plating Specification		MIL-G-45204

Compliance Certifications

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

Plotted and Other Data

Notes:

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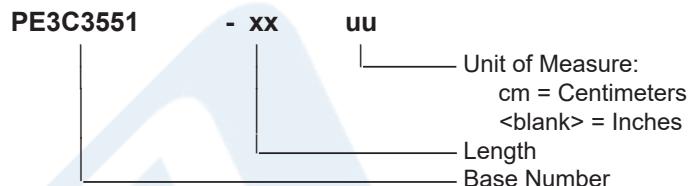
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How to Order

Part Number Configuration:



Example: PE3C3551-12 = 12 inches long cable
PE3C3551-100cm = 100 cm long cable

SMA Male to SMP Female Cable Using PE-P086 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 SMP Female Cable Using PE-P086 Coax PE3C3551](#)

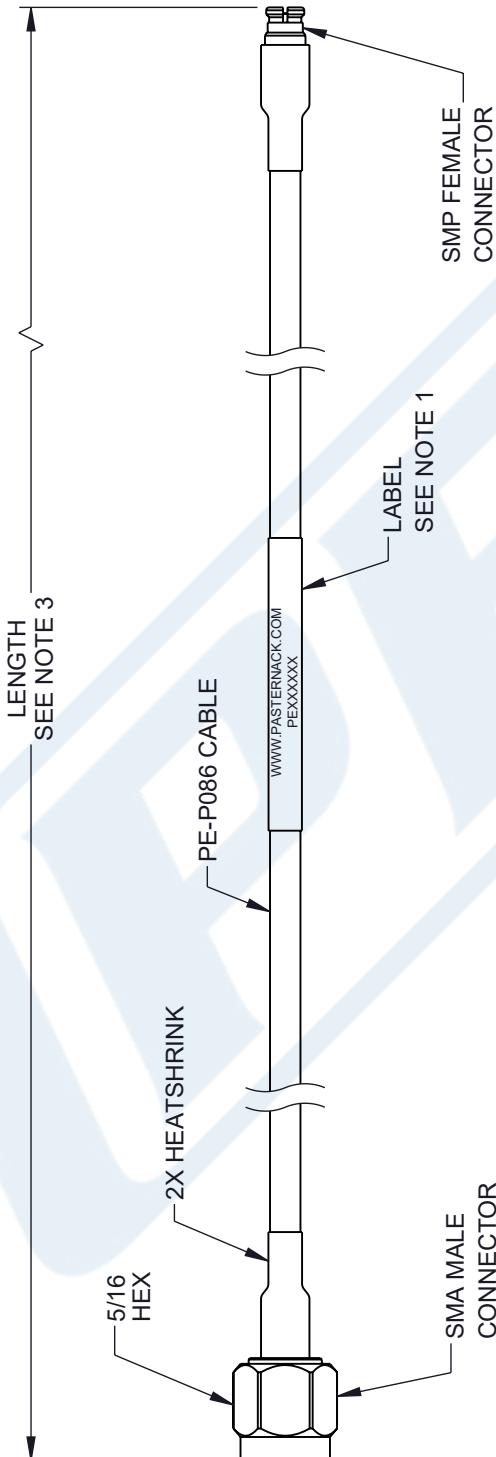
URL: <https://www.pasternack.com/sma-male-to-smp-female-cable-using-pe-p086-pe3c3551-p.aspx>

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.

PE3C3551 CAD Drawing

SMA Male to SMP Female Cable Using PE-P086 Coax

ZONE	REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED BY
	A	INITIAL RELEASE	11/16/2023	BPUCHASKI	AGANWANI



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.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION

<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS [] ARE MILLIMETERS</p>	<p>TOLERANCES:</p>	<p>$X = \pm 2 [5]$ FRACTIONS $XX = \pm 0.02 [0.13]$ $\pm 1/32$ $XXX = \pm 0.005 [0.013]$ $\pm 1^\circ$</p>
		<p>CABLE LENGTH TOLERANCES:</p>
	<p>PASTERNACK® an INFINITE® brand</p>	<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p>

DESCRIPTION	ITEM NO.	REV
<p>SMA MALE TO SMP FEMALE CABLE USING PE-P086 COAX</p> <p>DESCRIPTION</p> <p>$\begin{aligned} >12.30[30] &\leq 60 [1524] = +2.51/-0 \\ >60 [1524] &\leq 120 [3048] = +4.02/-0 \\ >120 [3048] &\leq 300 [7620] = +6.52/-0 \\ >300 [7620] &\leq 450 [11430] = +4.5/-0 \end{aligned}$</p> <p>ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE; UN-DIMENSIONED-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLOR(S) MAY VARY.</p> <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. 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.</p>	PE3C3551	A