

2.4mm Female to SMB Plug Cable Using PE-SR405FL Coax



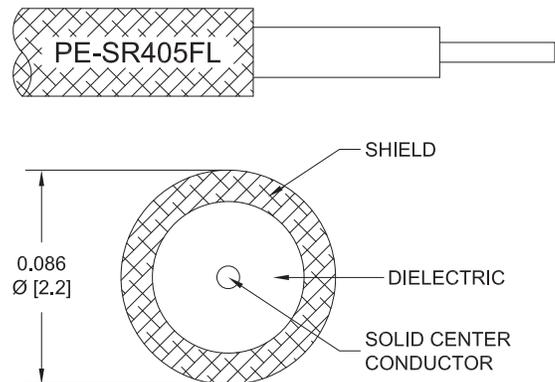
PE3W14582

Configuration

- Connector 1: 2.4mm Female
- Connector 2: SMB Plug
- Cable Type: PE-SR405FL
- Coax Flex Type: Formable

Features

- 69.5% Phase Velocity



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W14582 2.4mm female to SMB plug cable using PE-SR405FL coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack 2.4mm to SMB cable assembly has a female to plug gender configuration with 50 ohm formable PE-SR405FL coax.

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		69.5		%
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		65.7 [215.55]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		10.2 [33.46]		Ohms/1000ft [Ohms/Km]

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.035 lbs [15.88 g]

Cable

Cable Type	PE-SR405FL
Impedance	50 Ohms

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Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Outer Conductor 1 Material and Plating	Copper, Tin
Repeated Minimum Bend Radius	0.78 in [19.81 mm]

Connectors

Description	Connector 1	Connector 2
Type	2.4mm Female	SMB Plug
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Beryllium Copper, Gold over Nickel	
Contact Plating Specification	50 µin minimum	
Dielectric Type	PEI	
Body Material and Plating	Passivated Stainless Steel	Brass, Nickel
Body Plating Specification	SAE-AMS-2700	

Environmental Specifications

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

Plotted and Other Data

Notes:

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PE3W14582

Typical Performance Data

How to Order

Part Number Configuration:

PE3W14582

- **xx**

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Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3W14582-12 = 12 inches long cable
PE3W14582-100cm = 100 cm long cable

2.4mm Female to SMB Plug Cable Using PE-SR405FL 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.

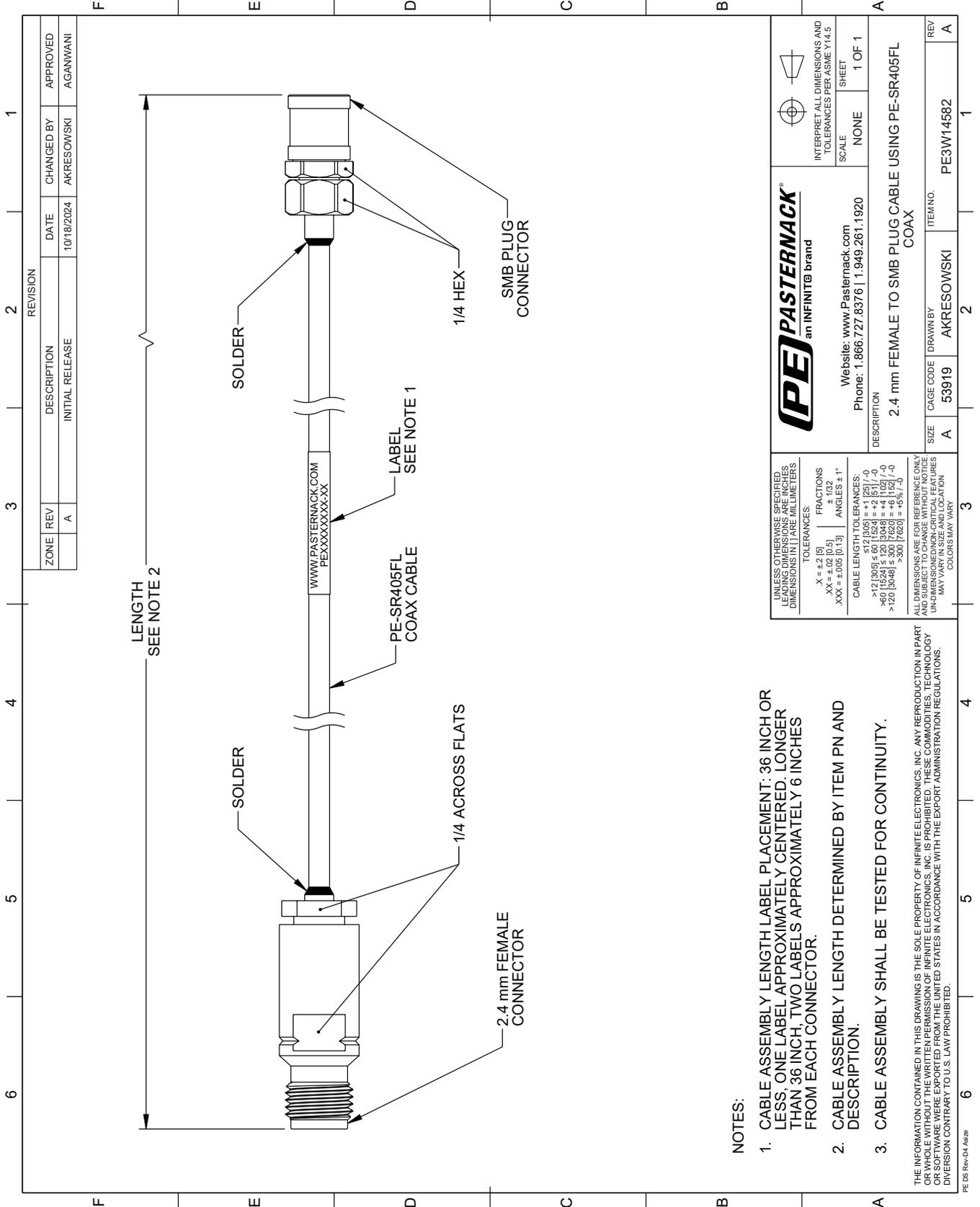
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.4mm Female to SMB Plug Cable Using PE-SR405FL Coax PE3W14582](#)

URL: <https://www.pasternack.com/2.4mm-female-to-smb-plug-cable-using-pe-sr405fl-pe3w14582-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.

PE3W14582 CAD Drawing

2.4mm Female to SMB Plug Cable Using PE-SR405FL Coax



REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV	DESCRIPTION	AKRESOWSKI	AGANWANI
	A	INITIAL RELEASE		

(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: 2.4 mm FEMALE TO SMB PLUG CABLE USING PE-SR405FL COAX

SIZE	A	CAGE CODE	53919	DRAWN BY	AKRESOWSKI	ITEM NO.	PE3W14582	REV	A
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- NOTES:**
- CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCH OR LESS, ONE LABEL APPROXIMATELY CENTERED, LONGER THAN 36 INCH, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
 - CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
 - CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.

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

TOLERANCES:
 .X = ±.2 [5]
 .XX = ±.02 [0.5]
 .XXX = ±.005 [0.13]

FRACTIONS:
 ± 1/32
 ANGLES ± 1°

CABLE LENGTH TOLERANCES:
 <12 [305] ≤ 60 [1524] = ±.1 [25] / -0
 >60 [1524] ≤ 120 [3048] = ±.4 [102] / -0
 >120 [3048] ≤ 300 [7620] = ±.6 [152] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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PE DS Rev-04 Add2