

SSMA Male to Trimmed Lead Cable 100 CM
Length Using PE-SR405FL Coax



RF Cable Assemblies Technical Data Sheet

PE3C6783-100CM

Configuration

- Connector 1: SSMA Male
- Connector 2: Trimmed Lead
- Cable Type: PE-SR405FL

Features

- Max Frequency 20 GHz
- 69.5% Phase Velocity

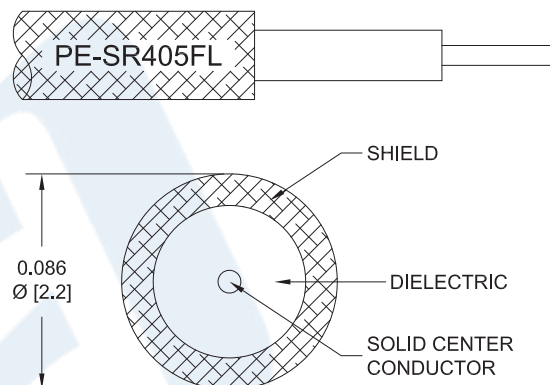
Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C6783-100CM 50 ohm SSMA male to trimmed lead 100 cm 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. The PE3C6783-100CM SSMA male to trimmed lead cable assembly operates to 20 GHz.

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.



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMA Male to Trimmed Lead Cable 100 CM Length Using PE-SR405FL Coax PE3C6783-100CM](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		20	GHz
Velocity of Propagation		69.5		%
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		65.7 [215.55]		Ω /1000ft [Ω /Km]
DC Resistance Outer Conductor		10.2 [33.46]		Ω /1000ft [Ω /Km]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	20	GHz
Insertion Loss (Typ.)	0.93	1.2	1.86	2.69	4.13	dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax cable and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Length* 39.37 in [100 cm]

Cable

Cable Type PE-SR405FL
Impedance 50 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Copper Clad Steel, Silver
Dielectric Type PTFE
Number of Shields 1
Outer Conductor Material and Plating Copper, Tin
Repeated Minimum Bend Radius 0.78 in [19.81 mm]

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Connectors

Description	Connector 1	Connector 2
Type	SSMA Male	Trimmed Lead
Specification	MIL-STD-348	
Impedance	50 Ohms	0 Ohms
Contact Material and Plating	Gold	
Contact Plating Specification	MIL-G-45204	
Dielectric Type	PTFE	
Body Material and Plating	Brass, Gold	
Body Plating Specification	MIL-G-45204	
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	QQ-N-290	
Hex Size	1/4 inch	
Torque	3 in-lbs [0.34 Nm]	

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

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3C6783

- xx

uu

Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE3C6783-12 = 12 inches long cable
PE3C6783-100cm = 100 cm long cable

SSMA Male to Trimmed Lead Cable 100 CM Length 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.

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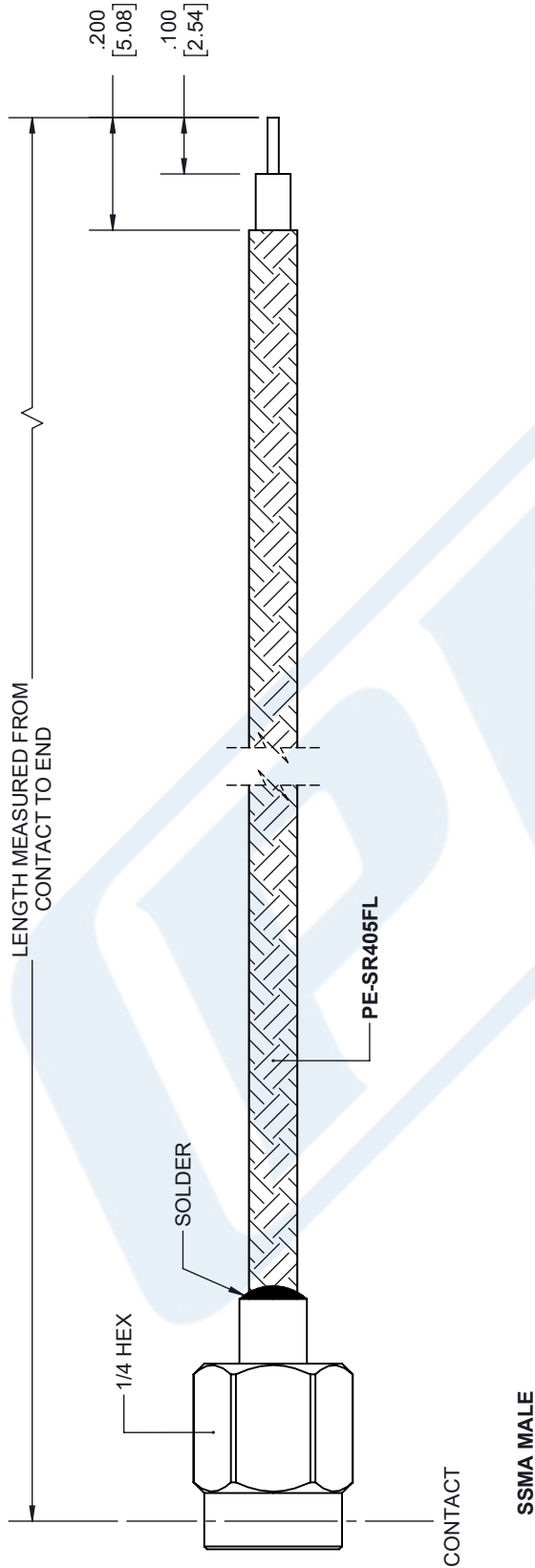
URL: <https://www.pasternack.com/ssma-male-trimmed-lead-sexless-pe-sr405fl-cable-assembly-pe3c6783-100cm-p.aspx>

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.

PE3C6783-100CM CAD Drawing

SSMA Male to Trimmed Lead Cable 100 CM Length Using PE-SR405FL Coax

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	PCR PE3C6783	12/1/2020	S.ELLIS



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: <table> <tr> <td>X = ± .2</td><td>[5.08]</td> <td>FRACTIONS</td> <td>± 1/32</td> </tr> <tr> <td>.XX = ± .02</td><td>[.51]</td> <td>ANGLES</td><td>± 1°</td> </tr> <tr> <td>.XXX = ± .005</td><td>[.13]</td> <td>CABLE LENGTH (L)</td><td>TOLERANCES:</td> </tr> <tr> <td colspan="4"> L ≤ 12 [305] = +1 [25] / -0 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 300 [7620] < L = +5% / -0 </td> </tr> </table> ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		X = ± .2	[5.08]	FRACTIONS	± 1/32	.XX = ± .02	[.51]	ANGLES	± 1°	.XXX = ± .005	[.13]	CABLE LENGTH (L)	TOLERANCES:	L ≤ 12 [305] = +1 [25] / -0 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 300 [7620] < L = +5% / -0				THIRD-ANGLE PROJECTION THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED. SHEET 1 OF 1 SCALE N/A	
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