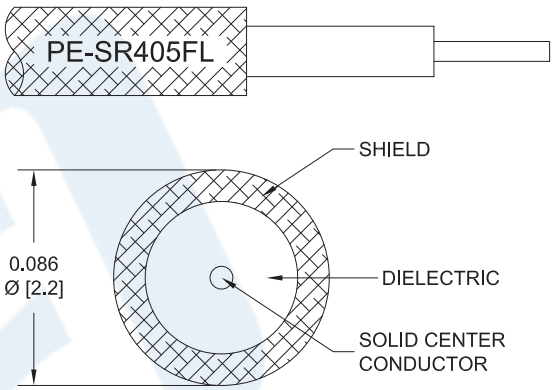
PASTERNACK
an INFINITE brand

SSMA Male to Trimmed Lead Cable Using PE-SR405FL Coax

RF Cable Assemblies Technical Data Sheet PE3C6783

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 50 ohm SSMA male to trimmed lead 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 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 Using PE-SR405FL Coax PE3C6783

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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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.)	0.22	0.3	0.5	0.75	1.2	dB/ft
	0.72	0.98	1.64	2.46	3.94	dB/m

Electrical Specification Notes:
Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector

Mechanical Specifications

Cable Assembly

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**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3C6783 — Base Number

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

SSMA Male to Trimmed Lead 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: SSMA Male to Trimmed Lead Cable Using PE-SR405FL Coax PE3C6783

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

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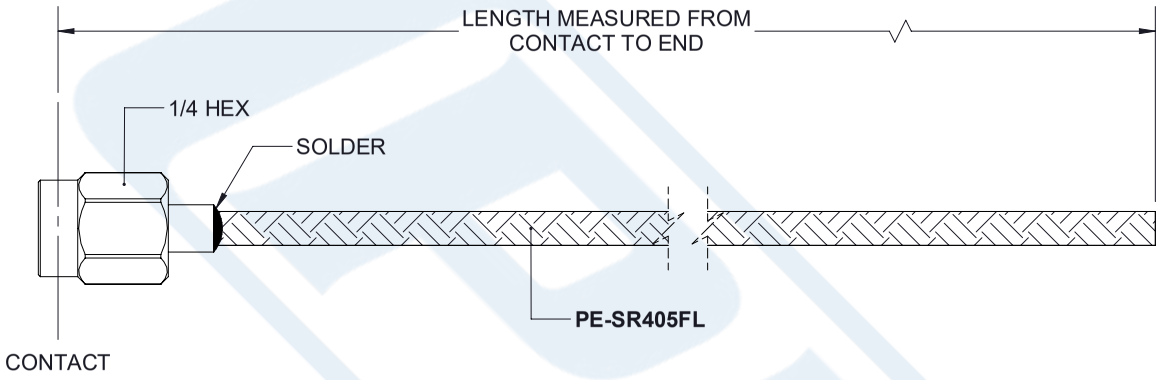
PE3C6783 CAD Drawing

SSMA Male to Trimmed Lead Cable Using PE-SR405FL Coax

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	3/13/2020	S.ELLIS



SSMA MALE

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

TOLERANCES:

.X = ± .2 [5.08]	FRACTIONS
.XX = ± .02 [.51]	± 1/32
.XXX = ± .005 [.13]	ANGLES ± 1°

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%L / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

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THIRD-ANGLE PROJECTION

SHEET 1 OF 1

SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	K.DANG	PE3C6783	A