

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

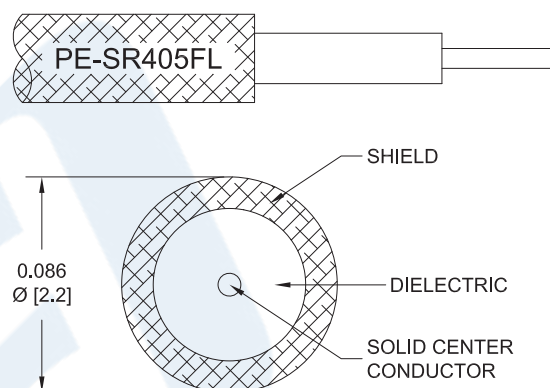
**Applications**

- 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](#)



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

## RF Cable Assemblies Technical Data Sheet

PE3C6783-100CM

### 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] |         | $\Omega$ /1000ft [ $\Omega$ /Km] |
| DC Resistance Outer Conductor |         | 10.2 [33.46]  |         | $\Omega$ /1000ft [ $\Omega$ /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]

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](#)



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

## RF Cable Assemblies Technical Data Sheet

PE3C6783-100CM

### 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:

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](#)



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

### RF Cable Assemblies Technical Data Sheet

PE3C6783-100CM

#### 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.

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](#)

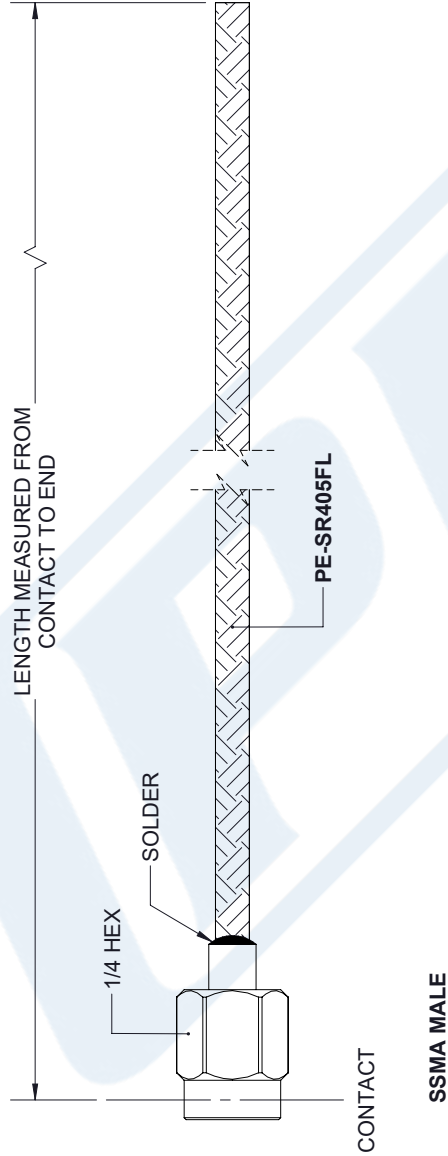
URL: <https://www.pasternack.com/ssma-male-trimmed-lead-sexless-pe-sr405fl-cable-assembly-pe3c6783-100cm-p.aspx>

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 |
| A         | INITIAL RELEASE | 3/13/2020 | SELLIS   |



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

**TOLERANCES:**

|               |       |             |
|---------------|-------|-------------|
| .X = ± .2     | [.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.

**PE PASTERNAK**  
an INFINITI® brand

Pasternack Enterprises, Inc.  
P.O. Box 16759, Irvine, CA 92623.  
Phone: 1.949.261.1920 | 1.866.727.8376  
Fax: 1.949.261.7451  
Website: [www.pasternack.com](http://www.pasternack.com)  
E-mail: [sales@pasternack.com](mailto:sales@pasternack.com)

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

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

REV A

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.