

SSMA Male to Trimmed Lead Cable 48 Inch  
Length Using PE-SR405FL Coax



RF Cable Assemblies Technical Data Sheet

PE3C6783-48

**Configuration**

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

**Features**

- Max Frequency 20 GHz
- 69.5% Phase Velocity

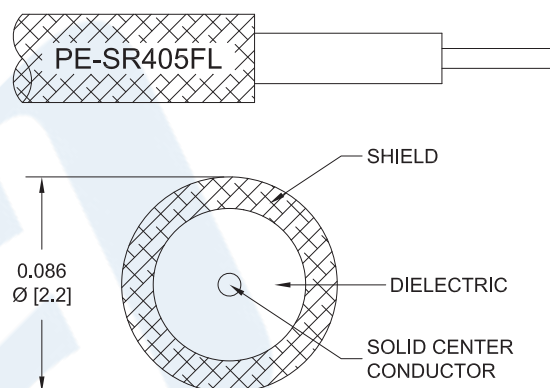
**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE3C6783-48 50 ohm SSMA male to trimmed lead 48 inch 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 PE3C6783-48 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 48 Inch Length Using PE-SR405FL Coax PE3C6783-48](#)



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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.) | 1.1 | 1.42 | 2.23 | 3.23 | 5  | 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\* 48 in [121.92 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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## SSMA Male to Trimmed Lead Cable 48 Inch Length Using PE-SR405FL Coax

### RF Cable Assemblies Technical Data Sheet

PE3C6783-48

#### 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 48 Inch 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 48 Inch Length Using PE-SR405FL Coax PE3C6783-48](#)

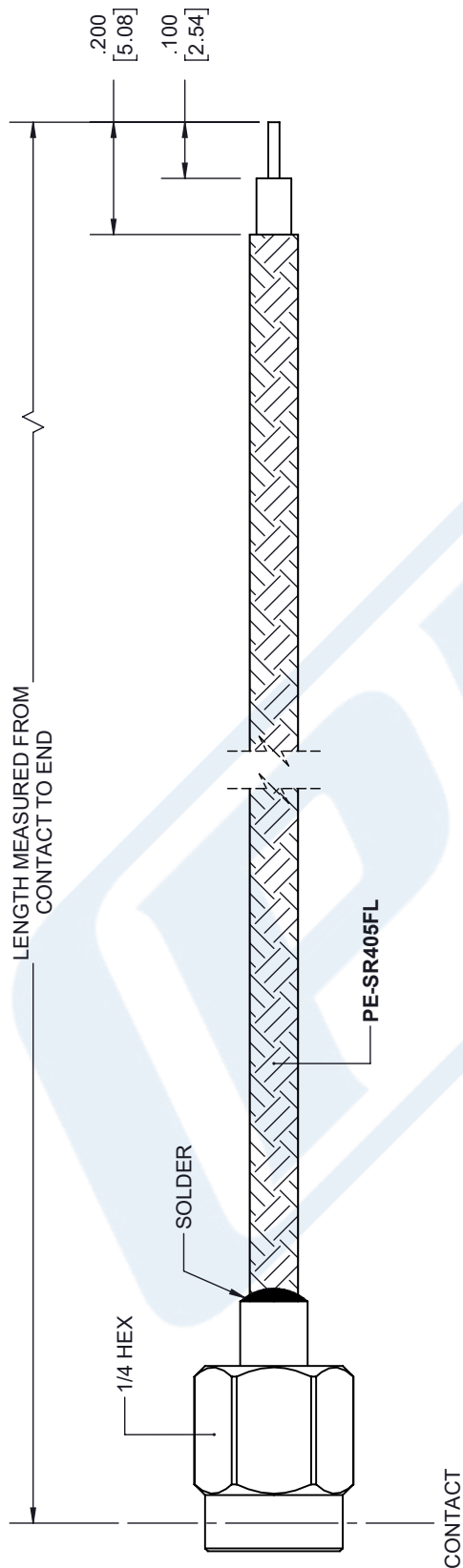
URL: <https://www.pasternack.com/ssma-male-trimmed-lead-sexless-pe-sr405fl-cable-assembly-pe3c6783-48-p.aspx>

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.

# PE3C6783-48 CAD Drawing

SSMA Male to Trimmed Lead Cable 48 Inch Length Using PE-SR405FL Coax

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



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                                                                                                   |             |           |        |             |       |        |      |               |       |                  |             |                                                                                                                                                                                                  |  |  |  |                                                                                                                                                                                                     |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------------------|-------------|-----------|--------|-------------|-------|--------|------|---------------|-------|------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p>UNLESS OTHERWISE SPECIFIED<br/>LEADING DIMENSIONS ARE INCHES<br/>DIMENSIONS IN [ ] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <table border="1"> <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<br/> 12 [305] &lt; L ≤ 60 [1524] = +2 [51] / -0<br/> 60 [1524] &lt; L ≤ 120 [3048] = +4 [102] / -0<br/> 120 [3048] &lt; L ≤ 300 [7620] = +6 [152] / -0<br/> 300 [7620] &lt; L = +5% / -0 </td> </tr> </table> <p>ALL DIMENSIONS SHOWN<br/>ARE FOR REFERENCE ONLY.</p> |        | 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<br>12 [305] < L ≤ 60 [1524] = +2 [51] / -0<br>60 [1524] < L ≤ 120 [3048] = +4 [102] / -0<br>120 [3048] < L ≤ 300 [7620] = +6 [152] / -0<br>300 [7620] < L = +5% / -0 |  |  |  | <p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND<br/>DESIGN IN THIS DOCUMENT<br/>IS THE PROPERTY OF<br/>PASTERNAK CORPORATION<br/>ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p> <p>SCALE N/A</p> |  |
| X = ± .2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | [5.08] | FRACTIONS                                                                                         | ± 1/32      |           |        |             |       |        |      |               |       |                  |             |                                                                                                                                                                                                  |  |  |  |                                                                                                                                                                                                     |  |
| .XX = ± .02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | [.51]  | ANGLES                                                                                            | ± 1°        |           |        |             |       |        |      |               |       |                  |             |                                                                                                                                                                                                  |  |  |  |                                                                                                                                                                                                     |  |
| .XXX = ± .005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | [.13]  | CABLE LENGTH (L)                                                                                  | TOLERANCES: |           |        |             |       |        |      |               |       |                  |             |                                                                                                                                                                                                  |  |  |  |                                                                                                                                                                                                     |  |
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| <p><b>PE PASTERNAK</b><br/>an INFINITE brand</p> <p>Pasternack Enterprises, Inc.<br/>P.O. Box 16759, Irvine, CA 92623.<br/>Phone: 1.949.261.1920   1.866.727.8376<br/>Fax: 1.949.261.7451<br/>Website: www.pasternack.com<br/>E-mail: sales@pasternack.com</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | <p>SIZE A</p> <p>CAGE CODE 53919</p> <p>DRAWN BY K.DANG</p> <p>ITEM NO. PE3C6783</p> <p>REV B</p> |             |           |        |             |       |        |      |               |       |                  |             |                                                                                                                                                                                                  |  |  |  |                                                                                                                                                                                                     |  |

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