



## TNC Female Bulkhead to MMCX Plug Right Angle Semi-Flexible Precision Cable Using PE-SR405FL Coax, LF Solder

### RF Cable Assemblies Technical Data Sheet

**PE39478**

#### Configuration

- Connector 1: TNC Female Bulkhead
- Connector 2: MMCX Plug Right Angle
- Cable Type: PE-SR405FL

#### Features

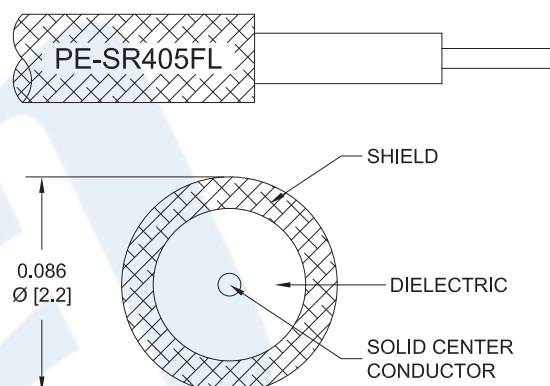
- Max Frequency 6 GHz
- 69.5% Phase Velocity
- Dimensionally and electrically the same as standard, solid outer conductor semi-rigid coax
- Cable may be formed by hand and does not require special tools to bend
- May be formed more than once without damaging the outer conductor
- High RF Shielding >100 dB
- 100% Hi-pot and continuity tested
- 100% VSWR tested to max frequency of assembly
- Standard and custom lengths ship the same day

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's formable cable assemblies are hand formable semi-rigid replacements that are an alternative to costly preformed assemblies. The formable semi-rigid cable alternatives are dimensionally and electrically similar to their semi-rigid counterpart and have a tinned-copper-braid outer shield that provides excellent RF shielding. The hand formable cable assemblies from Pasternack do not require special tooling to shape or reshape the assemblies and can replace standard semi-rigid versions. The assemblies are available with or without a FEP jacket and are RoHS compliant,



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Female Bulkhead to MMCX Plug Right Angle Semi-Flexible Precision Cable Using PE-SR405FL Coax, LF Solder PE39478](#)



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### Electrical Specifications

| Description             | Minimum | Typical    | Maximum | Units        |
|-------------------------|---------|------------|---------|--------------|
| Frequency Range         | DC      |            | 6       | GHz          |
| Velocity of Propagation |         | 69.5       |         | %            |
| Capacitance             |         | 29 [95.14] |         | pF/ft [pF/m] |

### Specifications by Frequency

| Description           | F1    | F2    | F3    | F4    | F5    | Units |
|-----------------------|-------|-------|-------|-------|-------|-------|
| Frequency             | 0.25  | 0.5   | 1     | 2.5   | 6     | GHz   |
| Insertion Loss (Typ.) | 0.256 | 0.313 | 0.425 | 0.547 | 0.802 | dB/ft |
|                       | 0.84  | 1.03  | 1.39  | 1.79  | 2.63  | dB/m  |

### Mechanical Specifications

#### Cable Assembly

Diameter 0.69 in [17.53 mm]

Weight 0.044 lbs [19.96 g]

#### 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  
 Shield Layer 1 Tinned Copper Braid

### Connectors

| Description                  | Connector 1            | Connector 2           |
|------------------------------|------------------------|-----------------------|
| Type                         | TNC Female Bulkhead    | MMCX Plug Right Angle |
| Impedance                    | 50 Ohms                | 50 Ohms               |
| Contact Material and Plating | Beryllium Copper, Gold | Phosphor Bronze, Gold |
| Dielectric Type              | PTFE                   | PTFE                  |
| Body Material and Plating    | Brass, Nickel          | Brass, Gold           |

#### Mechanical Specification Notes:

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\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8"$ , whichever is greater.

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

#### Plotted and Other Data

Notes:

- Values at 25°C, sea level.

#### How to Order

Part Number Configuration:

**PE39478**

- xx

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

Example: PE39478-12 = 12 inches long cable  
PE39478-100cm = 100 cm long cable

TNC Female Bulkhead to MMCX Plug Right Angle Semi-Flexible Precision Cable Using PE-SR405FL Coax, LF Solder 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: [TNC Female Bulkhead to MMCX Plug Right Angle Semi-Flexible Precision Cable Using PE-SR405FL Coax, LF Solder PE39478](#)

URL: <https://www.pasternack.com/tnc-female-mmcx-plug-pe-sr405fl-cable-assembly-pe39478-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.

# PE39478 CAD Drawing

TNC Female Bulkhead to MMCX Plug Right Angle Semi-Flexible  
Precision Cable Using PE-SR405FL Coax, LF Solder

