



SMA Female Bulkhead to MMCX Plug Right Angle Semi-Flexible Cable 24 Inch Length Using PE-SR405FLJ Coax with HeatShrink, LF Solder, RoHS

## RF Cable Assemblies Technical Data Sheet

**PE39436-24**

### Configuration

- Connector 1: SMA Female Bulkhead
- Connector 2: MMCX Plug Right Angle
- Cable Type: PE-SR405FLJ

### Features

- 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.

### Electrical Specifications

| Description             | Minimum | Typical    | Maximum | Units        |
|-------------------------|---------|------------|---------|--------------|
| Frequency Range         | DC      |            | 6       | GHz          |
| VSWR                    |         |            | 1.35:1  |              |
| Velocity of Propagation |         | 69.5       |         | %            |
| RF Shielding            | 100     |            |         | dB           |
| Capacitance             |         | 29 [95.14] |         | pF/ft [pF/m] |
| Operating Voltage (AC)  |         |            | 170     | Vrms         |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Bulkhead to MMCX Plug Right Angle Semi-Flexible Cable 24 Inch Length Using PE-SR405FLJ Coax with HeatShrink, LF Solder, RoHS PE39436-24](#)



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### Specifications by Frequency

| Description           | F1    | F2   | F3    | F4    | F5 | Units |
|-----------------------|-------|------|-------|-------|----|-------|
| Frequency             | 0.5   | 1    | 2.5   | 6     |    | GHz   |
| Insertion Loss (Typ.) | 0.674 | 0.79 | 0.988 | 1.406 |    | dB    |

### Mechanical Specifications

#### Cable Assembly

|         |                     |
|---------|---------------------|
| Length* | 24 in [609.6 mm]    |
| Weight  | 0.039 lbs [17.69 g] |

#### Cable

|                                      |                           |
|--------------------------------------|---------------------------|
| Cable Type                           | PE-SR405FLJ               |
| 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 | Tinned Copper Braid       |
| Outer Conductor Diameter             | 0.086 in [2.18 mm]        |
| Jacket Material                      | FEP, Black                |
| Jacket Diameter                      | 0.098 in [2.49 mm]        |
| Repeated Minimum Bend Radius         | 0.37 in [9.4 mm]          |

#### Connectors

| Description                  | Connector 1            | Connector 2           |
|------------------------------|------------------------|-----------------------|
| Type                         | SMA 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, Gold            | Brass, Gold           |

Mechanical Specification Notes:

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

### Environmental Specifications

#### Temperature

|                 |                   |
|-----------------|-------------------|
| Operating Range | -65 to +125 deg C |
|-----------------|-------------------|

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**PE39436-24**

**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:

**PE39436**

- **xx**

**uu**

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

Example: PE39436-12 = 12 inches long cable  
PE39436-100cm = 100 cm long cable

SMA Female Bulkhead to MMCX Plug Right Angle Semi-Flexible Cable 24 Inch Length Using PE-SR405FLJ Coax with HeatShrink, LF Solder, RoHS 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.

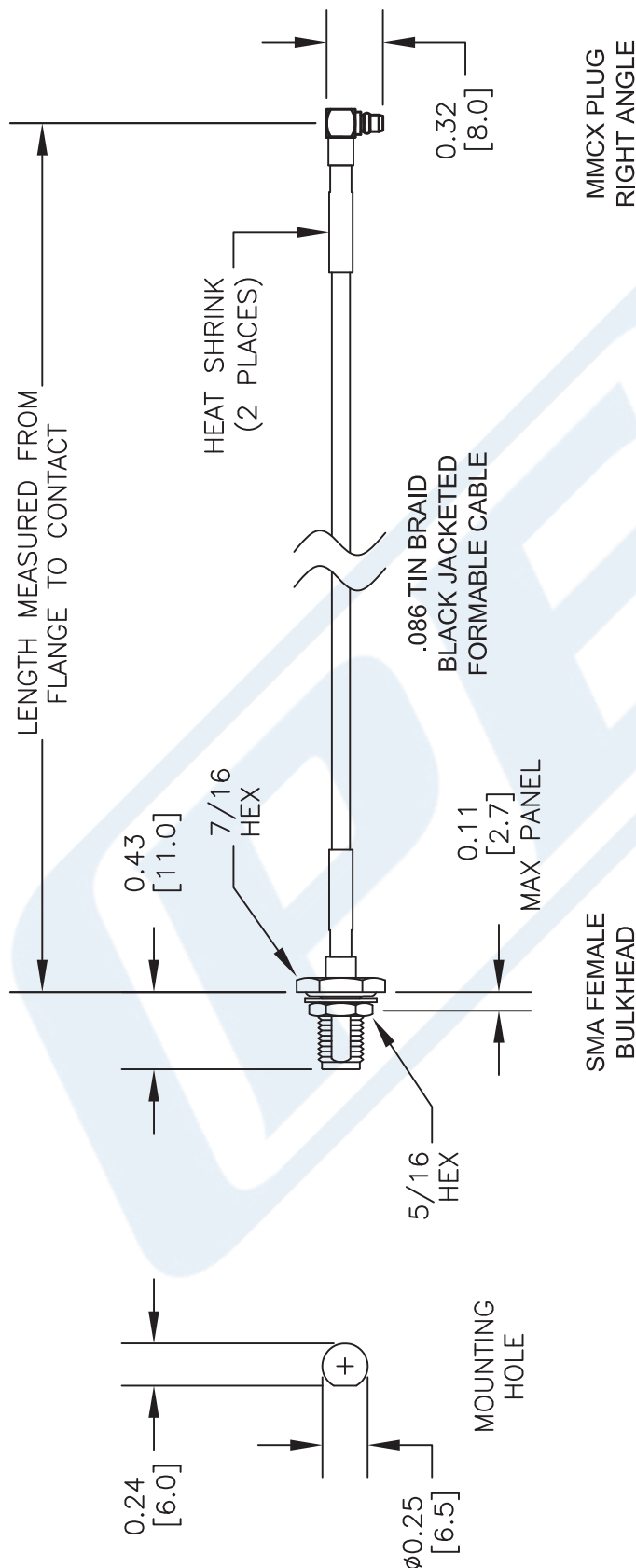
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URL: <https://www.pasternack.com/sma-female-mmxc-plug-pe-sr405flj-cable-assembly-pe39436-24-p.aspx>

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| STANDARD TOLERANCES |       |
|---------------------|-------|
| .X                  | ±0.2  |
| .XX                 | ±0.1  |
| .XXX                | ±0.05 |

**\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES**



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THE ENGINEER'S RF SOURCE

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**DWG TITLE**

**PE39436**

CAGE CODE 53919

**CAD FILE**      **041317**

**SIZE A**

2233

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