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.

**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

**Configuration**
- Connector 1: TNC Female Bulkhead
- Connector 2: MCX Plug Right Angle
- Cable Type: PE-SR405FLJ

**Electrical Specifications**
- Frequency Range: DC to 6 GHz
- Impedance: 50 Ohms
- Velocity of Propagation: 69.5 %
- Group Delay: 1.43 ns/ft [4.69 ns/m]
- RF Shielding: 100 dB

**Performance by Frequency**
- **Frequency 1**
  - Frequency: 250 MHz
  - Insertion Loss: 0.269 dB/ft [0.88 dB/m]
- **Frequency 2**
  - Frequency: 500 MHz
  - Insertion Loss: 0.337 dB/ft [1.11 dB/m]
- **Frequency 3**
  - Frequency: 1000 MHz
  - Insertion Loss: 0.395 dB/ft [1.3 dB/m]
- **Frequency 4**
  - Frequency: 2.5 GHz
  - Insertion Loss: 0.494 dB/ft [1.62 dB/m]
- **Frequency 5**
  - Frequency: 6 GHz

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 MCX Plug Right Angle Semi-Flexible Precision Cable Using PE-SR405FLJ Coax, RoHS PE39491
## Technical Data Sheet

### Insertion Loss

| Insertion Loss | 0.703 dB/ft [2.31 dB/m] |

### Mechanical Specifications

**Size**

- **Cable Color**: Black
- **One Time Minimum Bend Radius**: 0.236 in [5.99 mm]
- **Repeated Minimum Bend Radius**: 0.787 in [19.99 mm]

**Cable**

- **Cable Type**: PE-SR405FLJ
- **Inner Conductor Type**: Solid
- **Cable Inner Conductor**: Copper Clad Steel, Silver
- **No of Shields**: 1
- **Dielectric Type**: PTFE
- **Jacket Material**: FEP
- **Jacket Diameter**: 0.098 in [2.49 mm]

**Connector 1**

- **Type**: TNC Female Bulkhead
- **Configuration**: Straight
- **Mount Method**: Bulkhead
- **Inner Conductor Material and Plating**: Beryllium Copper, Gold
- **Body Material and Plating**: Brass, Nickel
- **Dielectric Type**: PTFE

**Connector 2**

- **Type**: MCX Plug Right Angle
- **Configuration**: Right Angle
- **Inner Conductor Material and Plating**: Brass, Gold
- **Body Material and Plating**: Brass, Gold
- **Dielectric Type**: PTFE

### Compliance Certifications

- **RoHS Compliant**: Yes
- **REACH Compliant**: 12/15/2010

### Plotted and Other Data

**Notes:**

- Values at +25 °C, sea level

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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 MCX Plug Right Angle Semi-Flexible Precision Cable Using PE-SR405FLJ Coax, RoHS PE39491
How to Order

Part Number Configuration:

PE39491 - xx uu

Unit of Measure:

cm = Centimeters
<blank> = Inches

Length
Base Number

Example: PE39491-12 = 12 inches long cable
PE39491-100cm = 100 cm long cable

TNC Female Bulkhead to MCX Plug Right Angle Semi-Flexible Precision Cable Using PE-SR405FLJ Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% 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:

Note: This part is lead free.

PE39491 CAD Drawing
TNC Female Bulkhead to MCX Plug Right Angle Semi-Flexible
Precision Cable Using PE-SR405FLJ Coax, RoHS

MOUNTING HOLE

0.51 [12.9]

0.59 [15.0]
0.47 [12.0]
0.71 [18.0]

5/8 HEX

0.05 [1.3]

0.05 [1.4] MAX PANEL

FITS .086 SEMI-RIGID CABLE TYPES

0.086 TIN BRAID BLACK JACKETED FORMABLE CABLE

MCX PLUG RIGHT ANGLE

LENGTH MEASURED FROM FLANGE TO CONTACT

0.34 [8.6]