



SMA Male to SMA Female Bulkhead Semi-Flexible Precision
Cable 18 Inch Length Using PE-SR402FLJ Coax, RoHS

TECHNICAL DATA SHEET

PE39441-18

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
Connector 2
Cable Type

SMA Male
SMA Female Bulkhead
PE-SR402FLJ

Electrical Specifications

| | |
|-------------------------|------------------------|
| Frequency Range | DC to 18 GHz |
| Impedance | 50 Ohms |
| Velocity of Propagation | 70 % |
| Group Delay | 1.43 ns/ft [4.69 ns/m] |
| RF Shielding | 100 dB |

Performance by Frequency

Frequency 1

| | |
|----------------|----------|
| Frequency | 1000 MHz |
| Insertion Loss | 0.378 dB |

Frequency 2

| | |
|----------------|----------|
| Frequency | 2 GHz |
| Insertion Loss | 0.439 dB |

Frequency 3

| | |
|----------------|---------|
| Frequency | 4.5 GHz |
| Insertion Loss | 0.59 dB |

Frequency 4

| | |
|----------------|----------|
| Frequency | 9 GHz |
| Insertion Loss | 0.789 dB |

Frequency 5

| | |
|-----------|--------|
| Frequency | 18 GHz |
|-----------|--------|

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Female Bulkhead Semi-Flexible Precision Cable 18 Inch Length Using PE-SR402FLJ Coax, RoHS PE39441-18](#)



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Insertion Loss

1.094 dB

Mechanical Specifications

Size

Length

18 in [457.2 mm]

Diameter

0.433 in [11 mm]

Cable Color

Black

One Time Minimum Bend Radius

0.315 in [8 mm]

Repeated Minimum Bend Radius

1.575 in [40.01 mm]

Cable

Cable Type

PE-SR402FLJ

Inner Conductor Type

Solid

Cable Inner Conductor

Copper Clad Steel, Silver

No of Shields

1

Dielectric Type

PTFE

Jacket Material

FEP

Jacket Diameter

0.161 in [4.09 mm]

Connector 1

Type

SMA Male

Configuration

Straight

Coupling Nut Material and Plating

Passivated Stainless Steel

Hex Size

5/16 in.

Torque

8 in-lbs [0.9 Nm]

Body Material and Plating

Brass, Gold

Connector 2

Type

SMA Female Bulkhead

Configuration

Straight

Mount Method

Bulkhead

Inner Conductor Material and Plating

Beryllium Copper, Gold

Body Material and Plating

Brass, Gold

Dielectric Type

PTFE

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant

Yes

REACH Compliant

06/18/2012

Plotted and Other Data

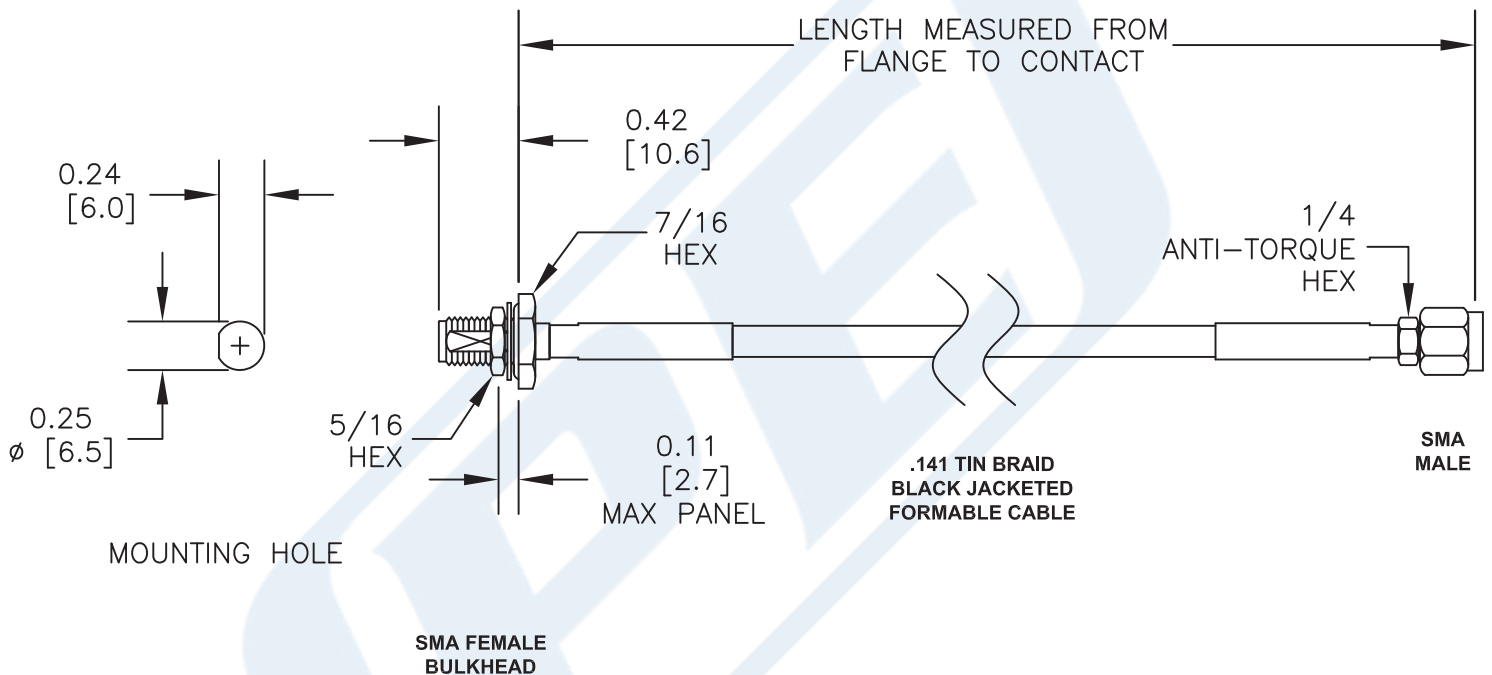
Notes:

- Values at +25 °C, sea level

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PE39441-18

PE39441-18 CAD Drawing
SMA Male to SMA Female Bulkhead Semi-Flexible Precision
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Note: This part is lead free.



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NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].
4. LENGTH TOLERANCE IS $\pm 1.5\%$ OR $3/8"$, WHICHEVER IS GREATER.

DWG TITLE

PE39441

FSCM NO. 53919

CAD FILE

012115

SCALE N/A

SIZE A

2233