



SMA Male to SMA Female Semi-Flexible Precision Cable Using PE-SR402FLJ Coax, RoHS

TECHNICAL DATA SHEET

PE39440

Hand Formable SMA Male to SMA Female Semi-Flexible Precision Cable Using PE-SR402FLJ Coax, RoHS

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 PVC jacket and are RoHS compliant,

- 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 | SMA Male |
| Connector 2 | SMA Female |
| Cable Type | PE-SR402FLJ |

Electrical Specifications

| | |
|---------------------------------|----------|
| Frequency Range, GHz | DC to 18 |
| Impedance, Ohms | 50 |
| Maximum VSWR | 1.5:1 |
| Velocity of Propagation, % | 69 |
| RF Shielding, dB | 100 |
| Maximum Operating Voltage, Vrms | 335 |

Typical Electrical Specifications

Frequency 1

| | |
|----------------|---------------------------|
| Frequency, MHz | 1000 |
| Insertion Loss | 0.119 dB/ft [0.39 dB/m] |

Frequency 2

| | |
|----------------|--------------------------|
| Frequency, GHz | 5 |
| Insertion Loss | 0.28 dB/ft [0.92 dB/m] |

Frequency 3

| | |
|----------------|---------------------------|
| Frequency, GHz | 10 |
| Insertion Loss | 0.421 dB/ft [1.38 dB/m] |

Electrical Specification Notes:

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 Semi-Flexible Precision Cable Using PE-SR402FLJ Coax, RoHS PE39440](#)

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.





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Mechanical Specifications

Cable Assembly

Cable Type PE-SR402FLJ

Temperature

Temperature Operating Range, deg C -55 to +125

Diameter, in [mm] 0.161 [4.09]

Cable Color Black

One Time Minimum Bend Radius, in [mm] 0.75 [19.05]

Repeated Minimum Bend Radius, in [mm] 1.575 [40.01]

Cable

Center Conductor Type Solid

Cable Inner Conductor Copper, Silver

No of Shields 1

Dielectric Type PTFE

Jacket Material FEP

Jacket Diameter, in [mm] 0.161 [4.09]

Connector 1

Type SMA Male

Configuration Straight

Connector 2

Type SMA Female

Configuration Straight

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

RoHS Compliant Yes

Plotted and Other Data

Notes: Values at 25 °C, sea level

SMA Male to SMA Female Semi-Flexible Precision Cable Using PE-SR402FLJ Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

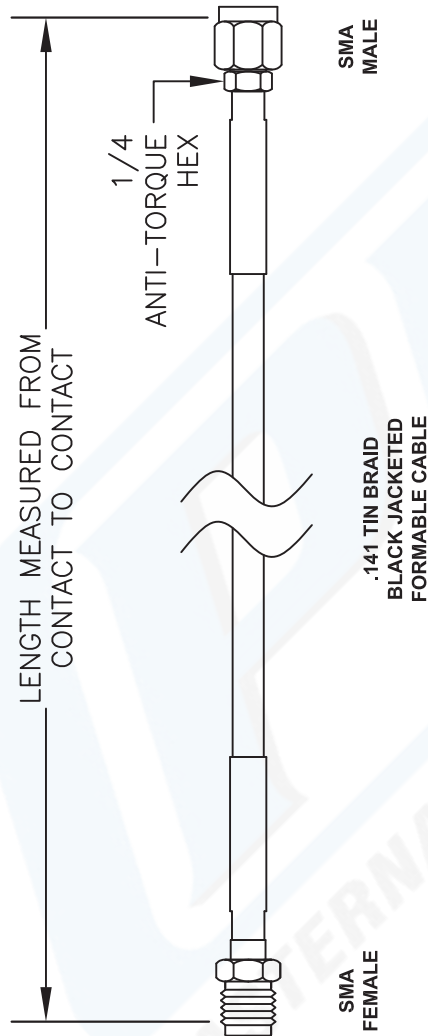
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Female Semi-Flexible Precision Cable Using PE-SR402FLJ Coax, RoHS PE39440](http://www.pasternack.com/sma-male-sma-female-pe-sr402flj-cable-assembly-pe39440-p.aspx)

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PE39440 CAD Drawing

SMA Male to SMA Female Semi-Flexible Precision
Cable Using PE-SR402FLJ Coax, RoHS



Note: This part is lead free.

| How To Order | | | | | | | |
|--|--|--|--|---------------|------------------|---------------|-----------------------|
| Part Number Configuration | | | Examples PE3000LF-100 PE3000-100 PE3000LF-100CM PE3000-100CM | Part # Ext. | Length In Inches | Part # Ext. | Length In Centimeters |
| PE3 <input type="text" value="zzz"/> <input type="text" value="yy"/> - <input type="text" value="xx"/> <input type="text" value="uu"/> | | | | | | | |
| 00 - 99999 | | | | | | | |
| LF = Lead Free | | | | | | | |
| < Blank > = Standard | | | | | | | |
| CM = Centimeters < Blank > = Inches | | | | | | | |
| Note: LF applies only to RF cables | | | Length | | | | |
| | | | -12 | 12" | -25CM | 25Cm | |
| | | | -24 | 24" | -50CM | 50Cm | |
| | | | -36 | 36" | -75CM | 75Cm | |
| | | | -48 | 48" | -100CM | 100Cm | |
| | | | -60 | 60" | -125CM | 125Cm | |
| | | | -xx | Custom Length | -xxCM | Custom Length | |



PASTERNAK ENTERPRISES, INC.
 P.O. BOX 16759, IRVINE, CA 92623
 PHONE (949) 261-1920 FAX (949) 261-7451
 WEB ADDRESS: www.pasternack.com
 E-MAIL ADDRESS: sales@pasternack.com
COAXIAL & FIBER OPTICS

DWG TITLE
PE39440

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.

| REV. - | FSCM NO. 53919 | CAD FILE 041912 | SCALE N/A | SIZE A | 2231 |
|--------|----------------|-----------------|-----------|--------|------|
|--------|----------------|-----------------|-----------|--------|------|