



3.5mm Female Connector Clamp/Solder Attachment For RG402/U, PE-SR402FL

TECHNICAL DATA SHEET

PE45011

Configuration

Connector: 3.5mm Female
 Connector Interface Type: RG402/U, PE-SR402FL
 Attachment Method (Shield/Contact): Clamp/Solder
 Body Style: Straight

Electrical Specifications

Impedance, Ohms: 50

Mechanical Specifications

Size
 Length, in [mm]: 0.862 [21.89]
 Width/Dia., in [mm]: 0.351 [8.92]

Connector

Type: 3.5mm Female
 Contact Material and Plating: Beryllium Copper, Gold
 Contact Plating Specification: 50 μ in. minimum
 Body Material and Plating: Passivated Stainless Steel
 Body Plating Specification: SAE-AMS-2700
 Dielectric Type: PCTFE

Compliance Certifications

(visit www.Pasternack.com for current document)
 RoHS Compliant

Plotted and Other Data

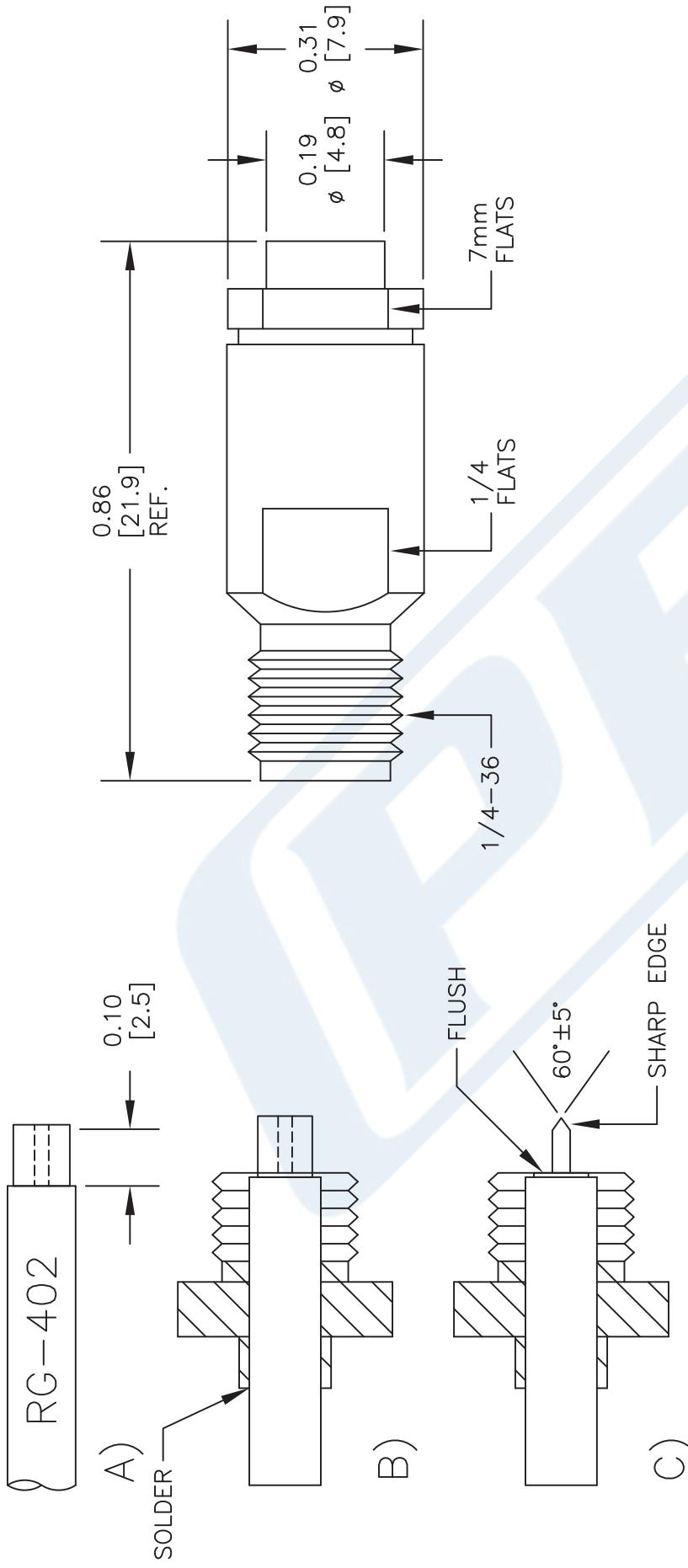
Notes:
 • Values at +25 °C, sea level

3.5mm Female Connector Clamp/Solder Attachment For RG402/U, PE-SR402FL 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: [3.5mm Female Connector Clamp/Solder Attachment For RG402/U, PE-SR402FL PE45011](http://www.pasternack.com/3.5mm-female-standard-rg402-u-pe-sr402fl-connector-pe45011-p.aspx)

URL: <http://www.pasternack.com/3.5mm-female-standard-rg402-u-pe-sr402fl-connector-pe45011-p.aspx>

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ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN IN (A). DO NOT NICK CENTER DIELECTRIC.
2. INSERT CABLE THROUGH CLAMP NUT AS SHOWN IN (B). SOLDER OUTER CONDUCTOR TO CLAMP NUT.
3. TRIM CABLE DIELECTRIC FLUSH FACE OF CLAMP AS SHOWN IN (C). POINT CABLE CENTER CONDUCTOR AS SHOWN IN (C).
4. SCREW ASSEMBLY INTO BODY & TIGHTEN (25-30 IN-LBS).



PASTERNAK®
THE ENGINEER'S RF SOURCE

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P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451

Website: www.pasternack.com | E-Mail: sales@pasternack.com

DWG TITLE	PE45011
FSCM NO. 53919	CAD FILE 031414 SCALE N/A SIZE A

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].



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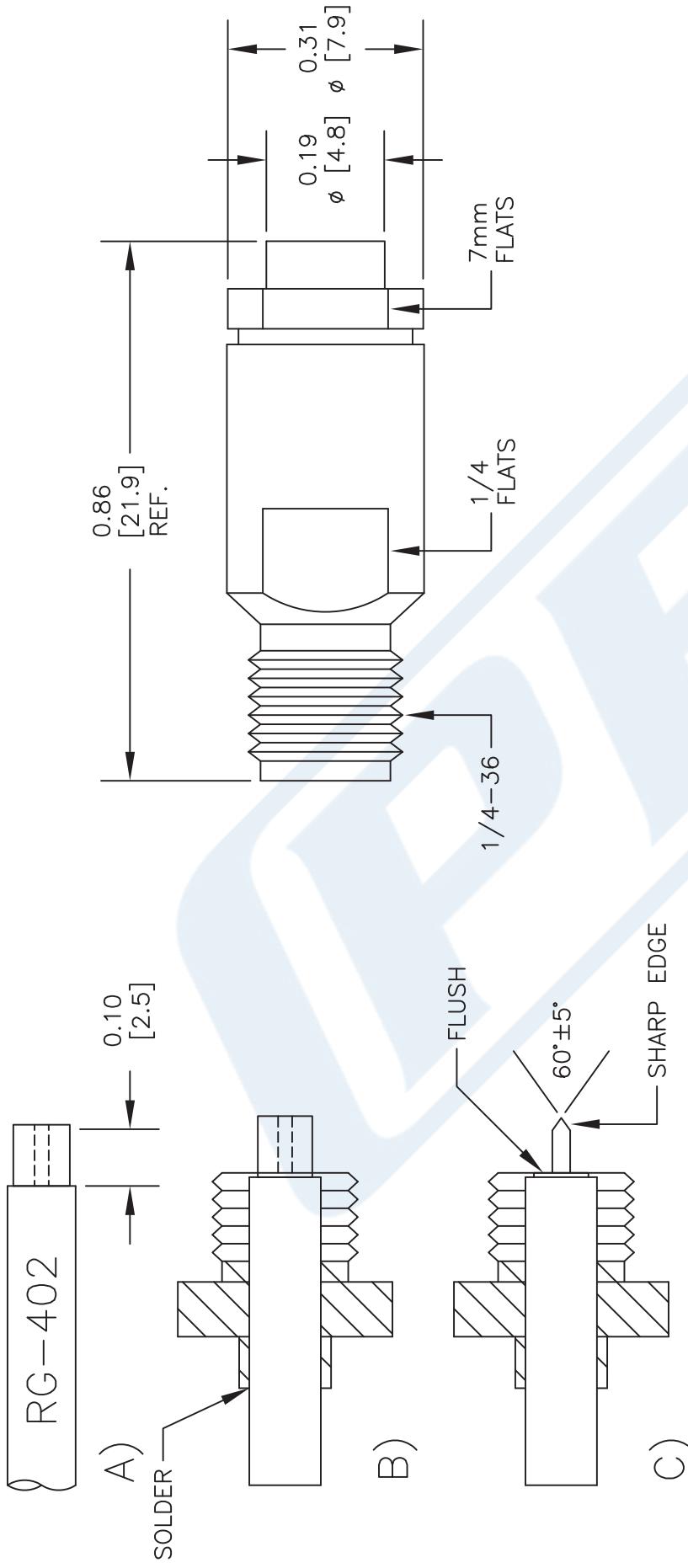
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Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

TECHNICAL DATA SHEET

PE-SR402FL

Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

Formable semi-rigid coax is a hand formable version of standard semi-rigid that does not require complicated and costly preformed cable assemblies. Because the dimensions and electrical characteristics are so closely matched to semi-rigid coax, standard semi-rigid connectors can be used. The tin soaked copper braid outer shield provides excellent RF shielding.

- Dimensionally the same as standard solid outer conductor semi-rigid coax
- Standard semi-rigid connectors can be used
- Cable is hand formable and does not require special tools to bend
- Connectors are easily soldered to Tin soaked outer conductor
- Cable can be formed more than once without damage to outer conductor
- High RF Shielding >100 dB

Configuration

Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Shield Materials	Tinned Copper Braid

Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	69.5
Time Delay, ns/ft [ns/m]	1.43 [4.69]
Maximum Operating Frequency, GHz	34
RF Shielding, dB	100
Capacitance, pF/ft [pF/m]	29 [95.14]
Maximum Operating Voltage, Volts	1,900

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	11.88 [38.98]

Frequency 2

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	28 [91.86]

Frequency 3

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	42.1 [138.12]

Frequency 4

Frequency, GHz	20
Attenuation, dB/100ft [dB/100m]	64 [209.97]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR402FL](#)

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Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

TECHNICAL DATA SHEET

PE-SR402FL

Mechanical Specifications

Temperature

Operating Range, deg C

-55 to +125

Inner Conductor

Number of Strands

1

Material

Copper

Plating

Silver

Diameter, in [mm]

0.036 [0.91]

Dielectric:

Type

PTFE

Diameter, in [mm]

0.117 [2.97]

Shield:

Number of

1

Material 1

Tinned Copper Braid

Diameter, in [mm]

0.139 [3.53]

Jacket:

One Time Minimum Bend Radius, in [mm]

0.315 [8]

Repeated Minimum Bend Radius, in [mm]

1.57 [39.88]

Weight, lbs/ft [Kg/m]

0.027 [0.04]

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

RoHS Compliant

Yes

Plotted and Other Data

Notes:

Values at 25 °C, sea level

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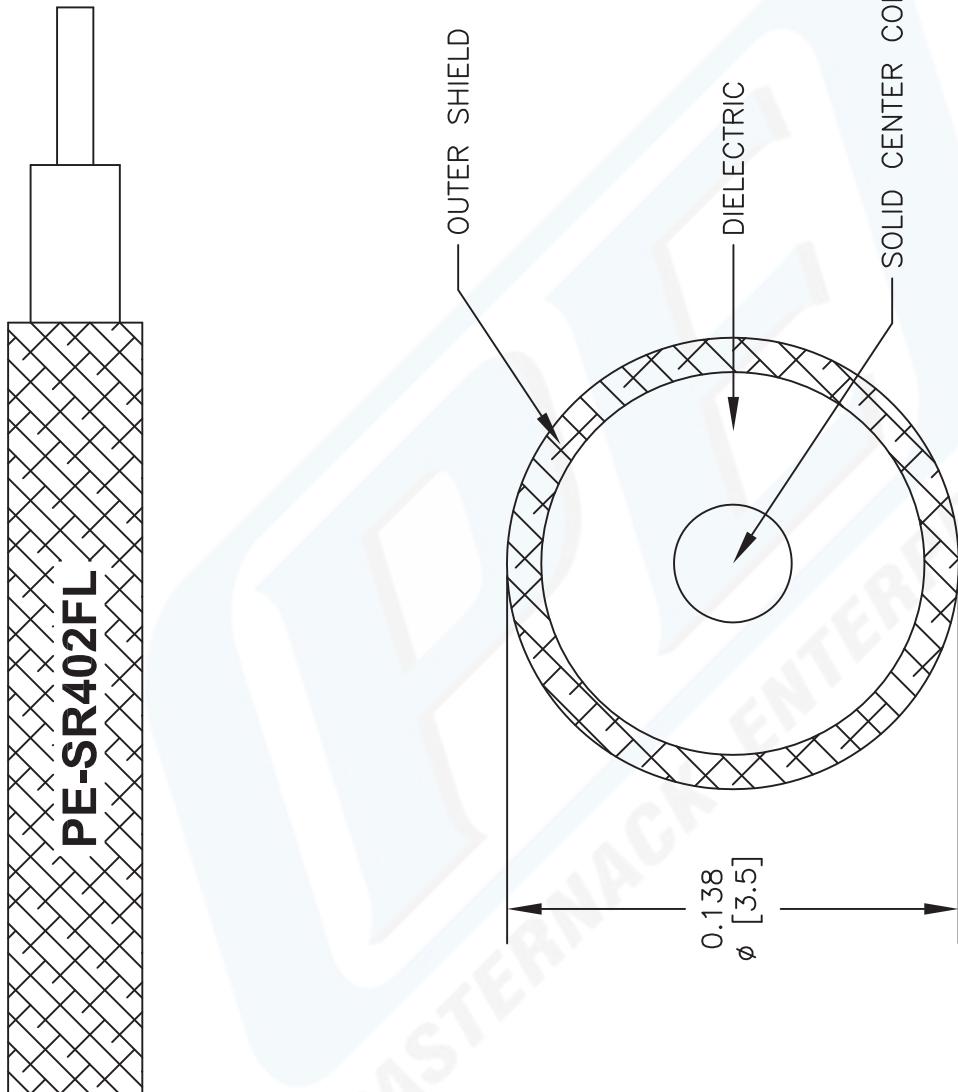
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URL: <http://www.pasternack.com/formable-0.141-semirigid-replacement-50-ohm-coax-cable-tinned-braid-pe-sr402fl-p.aspx>

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PE-SR402FL CAD Drawing

Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor



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PASTERNACK® Pasternack Enterprises, Inc. P.O. Box 16759 Irvine CA 92623 Phone: (949) 261-1920 Fax: (949) 261-7451 Website: www.pasternack.com E-Mail: sales@pasternack.com	FSCM NO.	53919	CAD FILE	082609-B	SCALE N/A SIZE A 2233