

SMA Male Right Angle Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402



RF Connectors Technical Data Sheet

PE44996

Configuration

- SMA Male Connector
- MIL-PRF-39012
- 50 Ohms
- Right Angle Body Geometry

- PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 Interface Type
- Clamp/Solder Attachment

Features

- Gold over Nickel Plated Beryllium Copper Contact
- 50 μ in minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44996 SMA male right angle connector with clamp/solder attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN and RG402 is part of our full line of RF components available for same-day shipping. Its right angle body geometry allows for easier connections in tight spaces.

Our SMA male right angle connector PE44996 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Mechanical Specifications

Size

Length
Width/Dia.
Height
Weight

1.28 in [32.51 mm]
0.395 in [10.03 mm]
0.74 in [18.8 mm]
0.032 lbs [14.51 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE44996](#)



SMA Male Right Angle Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

RF Connectors Technical Data Sheet

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Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel 50 μ in minimum
Insulation	PTFE	
Body	Passivated Stainless Steel	SAE-AMS-2700
Coupling Nut	Passivated Stainless Steel	SAE-AMS-2700

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

SMA Male Right Angle Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 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.

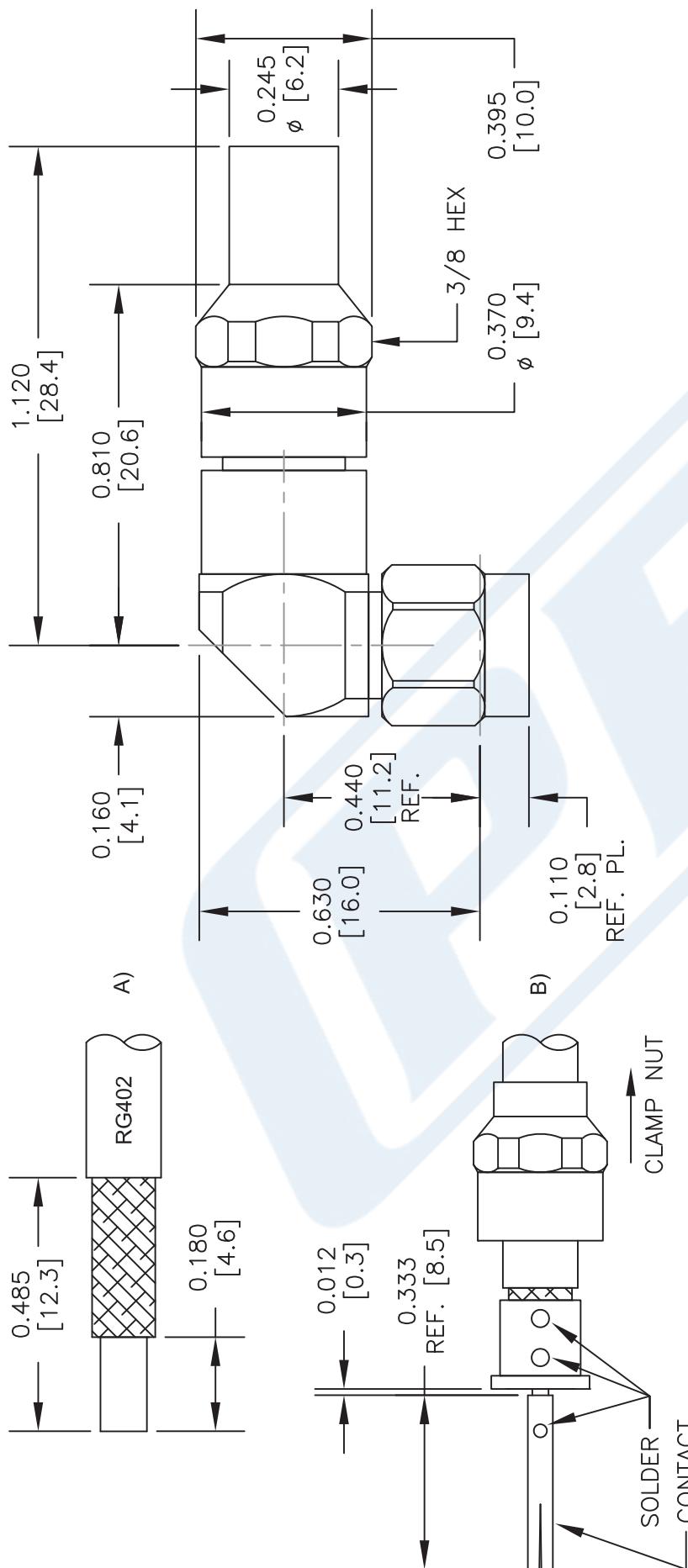
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URL: <https://www.pasternack.com/sma-male-standard-rg402-pe-p141-pe-sr402flj-connector-pe44996-p.aspx>

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. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE44996 CAD Drawing

SMA Male Right Angle Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402



ASSEMBLY PROCEDURES

1. TRIM CABLE TO EXPOSE DIELECTRIC CORE AND BRAIDS AS SHOWN IN (A).
2. SLIDE CLAMP NUT OVER CABLE AS SHOWN IN (B). INSERT CABLE INTO SOLDER FERRULE UNTIL INNER BRAID SEATS IN FERRULE. THEN SOLDER CABLE BRAIDS TO FERRULE WHERE SHOWN. TRIM CABLE DIELECTRIC FLUSH WITH SOLDER FERRULE FACE. (DO NOT NICK CABLE CENTER CONDUCTOR). SOLDER CONTACT WITH INDICATED GAP.
3. SCREW ASSEMBLY INTO BODY & TIGHTEN NUT.

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. FITS MIL-C-17 AND EQUIVALENT CABLES.

PASTERNACK® THE ENGINEER'S RF SOURCE	DWG TITLE PE44996
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 010314 SCALE N/A SIZE A 150



3.5mm Female Bulkhead Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402, .235 inch D Hole

TECHNICAL DATA SHEET

PE4985

3.5mm Female Bulkhead Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402, .235 inch D Hole

Configuration

Connector	3.5mm Female
Connector Interface Type	PE-SR402AL, PE-SR402FL, RG402
Cable Attachment Method (Shield/Contact)	Clamp/Solder
Body Style	Straight
Mount Method	Bulkhead

Electrical Specifications

Impedance, Ohms	50
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Mechanical Specifications

Size	
Length, in [mm]	0.865 [21.97]
Width/Dia., in [mm]	0.438 [11.13]
Weight, lbs [g]	0.013 [5.9]

Connector

Type	3.5mm Female
Contact Material and Plating	Gold
Body Material and Plating	Passivated Stainless Steel
Dielectric Type	PTFE

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

RoHS Compliant	Yes
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Plotted and Other Data

Notes:	Values at 25 °C, sea level
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3.5mm Female Bulkhead Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402, .235 inch D Hole 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.

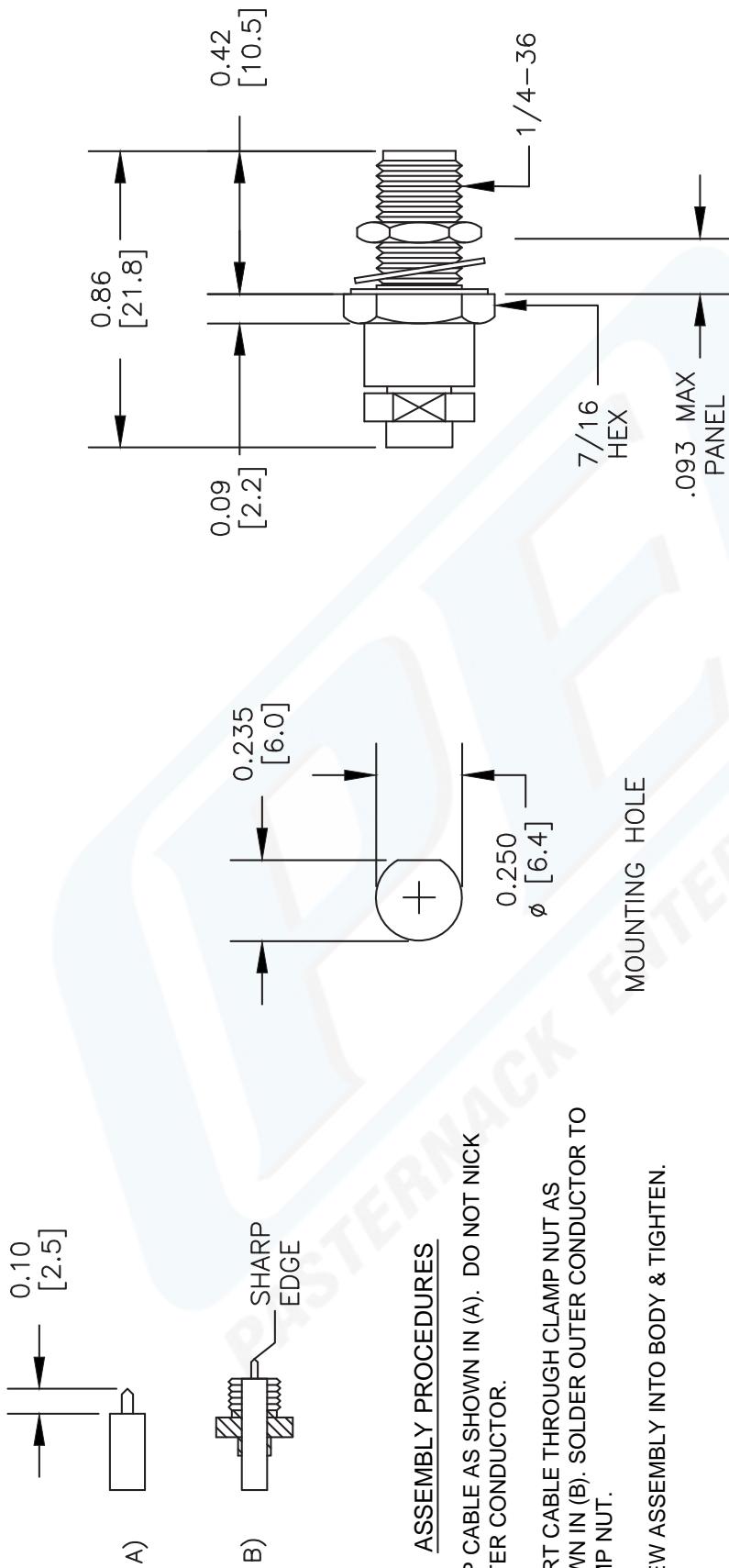
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3.5mm Female Bulkhead Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402, .235 inch D Hole PE4985](http://www.pasternack.com/3.5mm-female-standard-pe-sr402al-pe-sr402fl-rg402-connector-pe4985-p.aspx)

URL: <http://www.pasternack.com/3.5mm-female-standard-pe-sr402al-pe-sr402fl-rg402-connector-pe4985-p.aspx>

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PE4985 CAD Drawing

3.5mm Female Bulkhead Connector Clamp/Solder Attachment For
PE-SR402AL, PE-SR402FL, RG402, .235 inch D Hole



NOTES:
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3. DIMENSIONS ARE IN INCHES (mm).
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

PASTERNAK®	DWG TITLE
PE	PE4985
Pasternak Enterprises, Inc. P.O. Box 16759 Irvine CA 92623 Phone: (949) 261-1920 Fax: (949) 261-7451 Website: www.pasternak.com E-Mail: sales@pasternak.com	
FSCM NO. 53919	CAD FILE 011411 SCALE N/A SIZE A



Formable 141 Semirigid Coax Cable with Tinned Braid Outer Conductor and Black FEP Jacket

RF Cables Technical Data Sheet

PE-SR402FLJ

Configuration

- Formable Cable
- 1 Shield(s)

Features

- 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
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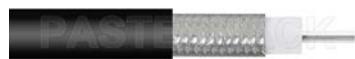
Description

Formable semi-rigid coax is a hand formable version of standard semi-rigid that does not require complicated and costly pre-formed 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. FEP Jacket reduces the chance of shorting exposed contacts or circuit conductors.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		34	GHz
Impedance		50		Ohms
Velocity of Propagation		70		%
Time Delay		1.43 [4.69]		ns/ft [ns/m]
Shielding Effectiveness	100			dB
Operating Voltage (AC)			1,900	Vrms
Dielectric Withstanding Voltage (AC)			3,000	Vrms
Inner Conductor DC Resistance			8.23	Ohms/1000ft
Nominal Capacitance		29 [95.14]		pF/ft [pF/m]
Insulation Resistance	1,524			MOhms/1000ft

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 and Black FEP Jacket PE-SR402FLJ](#)



Formable 141 Semirigid Coax Cable with Tinned Braid Outer Conductor and Black FEP Jacket

RF Cables Technical Data Sheet

PE-SR402FLJ

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	5	10	20	GHz
Attenuation, Typ	8.23	12.5	32	48.158	73.152	dB/100ft
	27	41.01	104.99	158	240	dB/100m
Input Power (CW), Max	436.5	303.4	126.7	85.5	56.6	Watts

Mechanical Specifications

Diameter	0.161 in [4.09 mm]
Weight	0.032 lbs/ft [0.05 Kg/m]
Min. Bend Radius (Installation)	0.315 in [8 mm]
Min. Bend Radius (Repeated)	1.575 in [40.01 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 1 Strands	0.036 in [0.91 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.117 in [2.97 mm]
First Shield	Tinned Copper Braid	
Jacket	FEP, Black	0.161 in [4.09 mm]

Environmental Specifications

Temperature	
Operating Range	-65 to +150 deg C
Storage Range	10 to +35 deg C

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 and Black FEP Jacket PE-SR402FLJ](#)



Formable 141 Semirigid Coax Cable with Tinned Braid Outer Conductor and Black FEP Jacket

RF Cables Technical Data Sheet

PE-SR402FLJ

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Formable 141 Semirigid Coax Cable with Tinned Braid Outer Conductor and Black FEP Jacket 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.

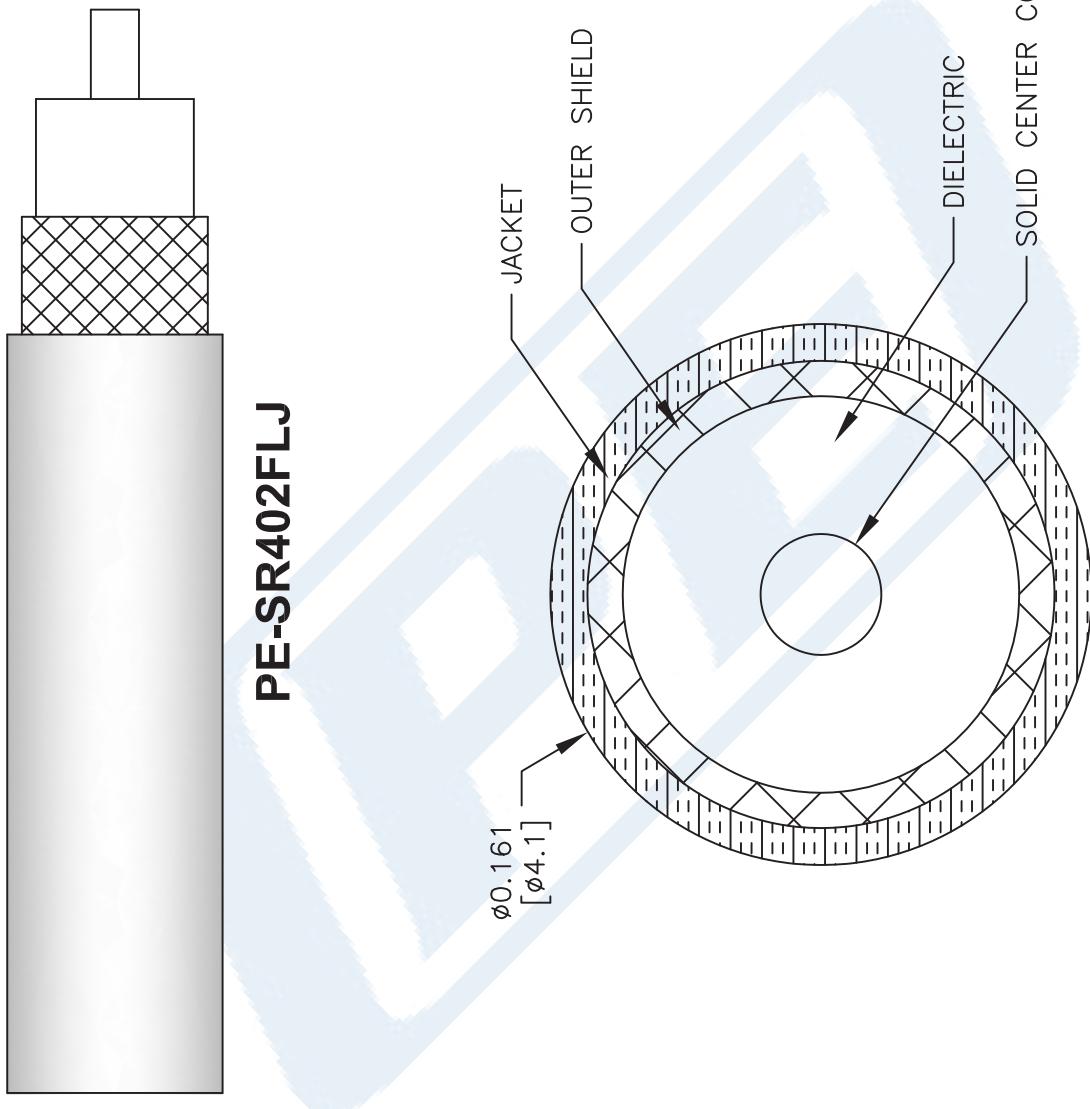
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URL: <https://www.pasternack.com/50-ohm-formable-141-semirigid-tinned-braid-outer-conductor-fep-jacket-black-pe-sr402flj-p.aspx>

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PE-SR402FLJ CAD Drawing

Formable 141 Semirigid Coax Cable with Tinned Braid
Outer Conductor and Black FEP Jacket



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PE-SR402FLJ

DWG TITLE



PASTERNAK
THE ENGINEER'S RF SOURCE

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.	CAD FILE	SCALE	SIZE	41742
53919	111716	N/A	A	