



TNC Male Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402

TECHNICAL DATA SHEET

PE4143

Configuration

Connector
Connector Interface Type
Cable Attachment Method (Shield/Contact)
Body Style

TNC Male
PE-SR402AL,PE-SR402FL,RG402
Clamp/Solder
Straight

Electrical Specifications

Impedance, Ohms

50

Mechanical Specifications

Size

Weight, lbs [g]

0.055 [24.95]

Connector

Type
Body Material and Plating

TNC Male
Brass, Nickel

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

RoHS Compliant

Yes

Plotted and Other Data

Notes:

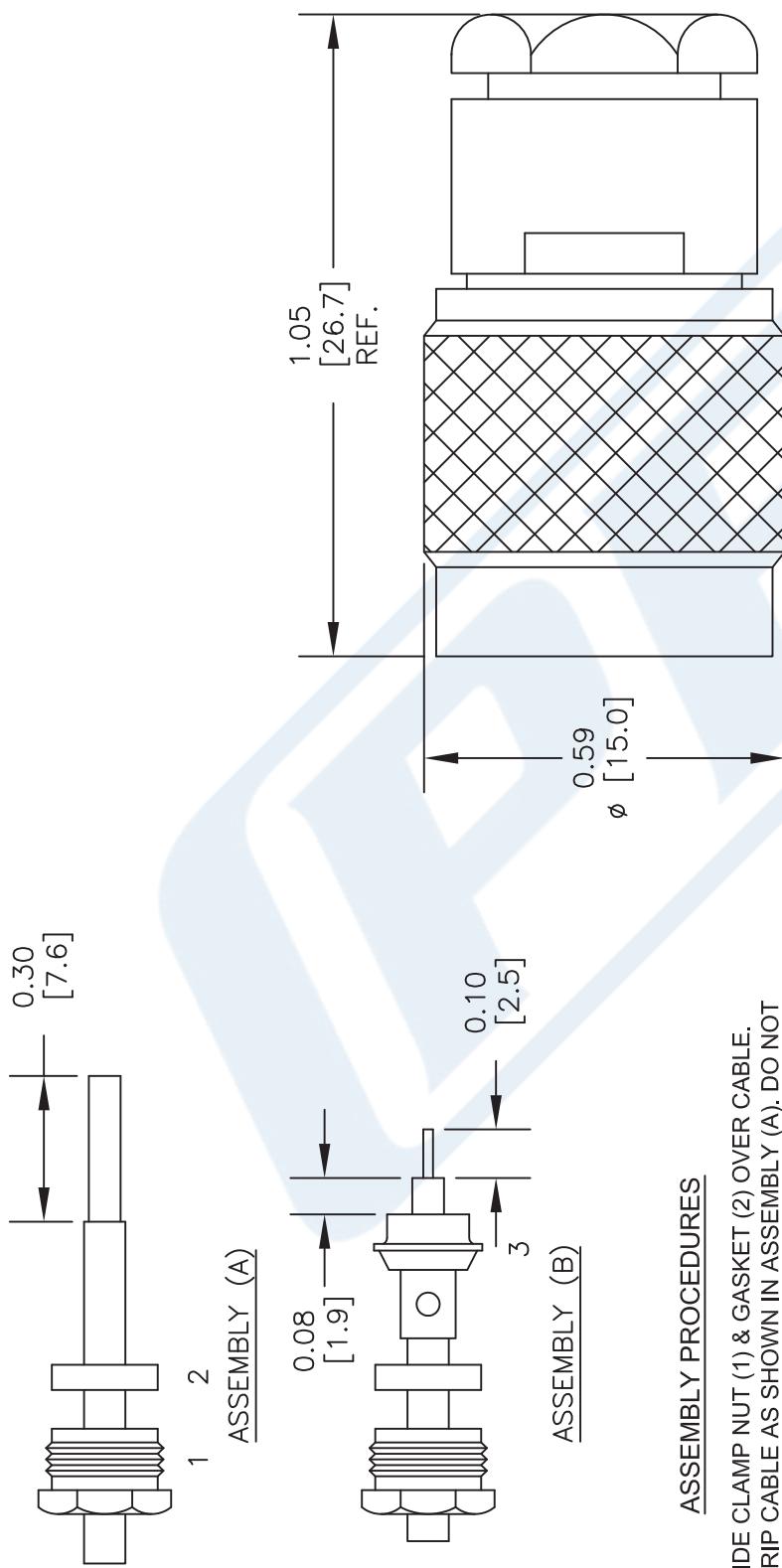
Values at 25 °C, sea level

TNC Male Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402 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: [TNC Male Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402 PE4143](http://www.pasternack.com/tnc-male-standard-pe-sr402al-pe-sr402fl-rg402-connector-pe4143-p.aspx)

URL: <http://www.pasternack.com/tnc-male-standard-pe-sr402al-pe-sr402fl-rg402-connector-pe4143-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.



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.

DWG TITLE	PE4143	SCALE N/A			SIZE A	147
FSCM NO. 53919	CAD FILE 042309					

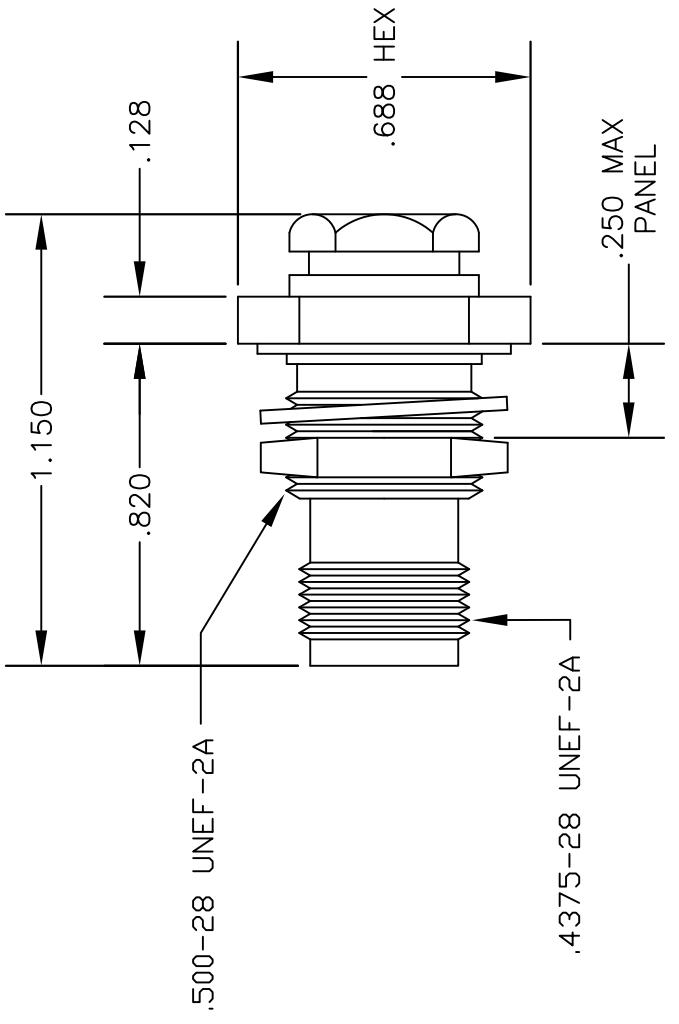
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THE ENGINEER'S RF SOURCE

Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451

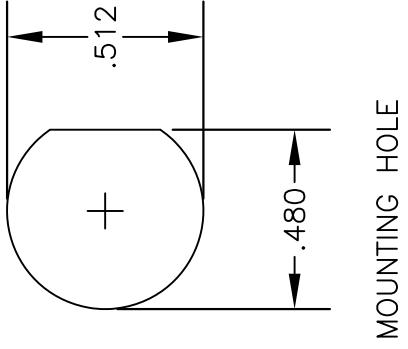
Website: www.pasternack.com | E-Mail: sales@pasternack.com

MATERIALS	
BODY	BRASS NICKEL PLATED
CONTACT	GOLD PLATED
INSULATOR	PTFE
SOLDER ADAPTER	BRASS GOLD PLATED



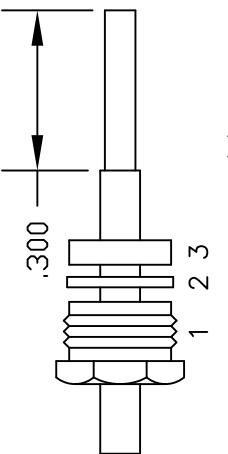
MATERIALS

MATERIALS	
BODY	BRASS NICKEL PLATED
CONTACT	GOLD PLATED
INSULATOR	PTFE
SOLDER ADAPTER	BRASS GOLD PLATED



ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN IN ASSEMBLY (A). DO NOT CUT DIELECTRIC.
2. SLIDE ADAPTER (4) OVER CABLE UNTIL ADAPTER (4) BOTTOMS ON OUTER CONDUCTOR. SOLDER ADAPTER (4) TO OUTER CONDUCTOR USING MINIMUM HEAT.
3. STRIP CABLE AS SHOWN IN ASSEMBLY (B). SOLDER CONTACT TO CENTER CONDUCTOR. SLIDE ASSEMBLY FORWARD & TIGHTEN TO BODY.



ASSEMBLY (A)

ASSEMBLY (B)

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WEB ADDRESS: www.pasternack.com
E-MAIL ADDRESS: sales@pasternack.com
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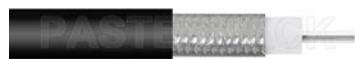
ESTABLISHED 1972

DES.

TNC FEMALE, BULKHEAD, SOLDER/CCLAMP
ATTACHMENT FOR RG402, PE-SR402AL &
PE-SR402FL

DWG TITLE **PE4150** REV. A FSCM NO. **53919** CAD FILE 042210 SCALE N/A SIZE A 147
NOTES:

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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
-

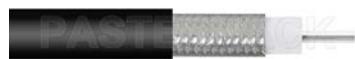
Description

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

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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:

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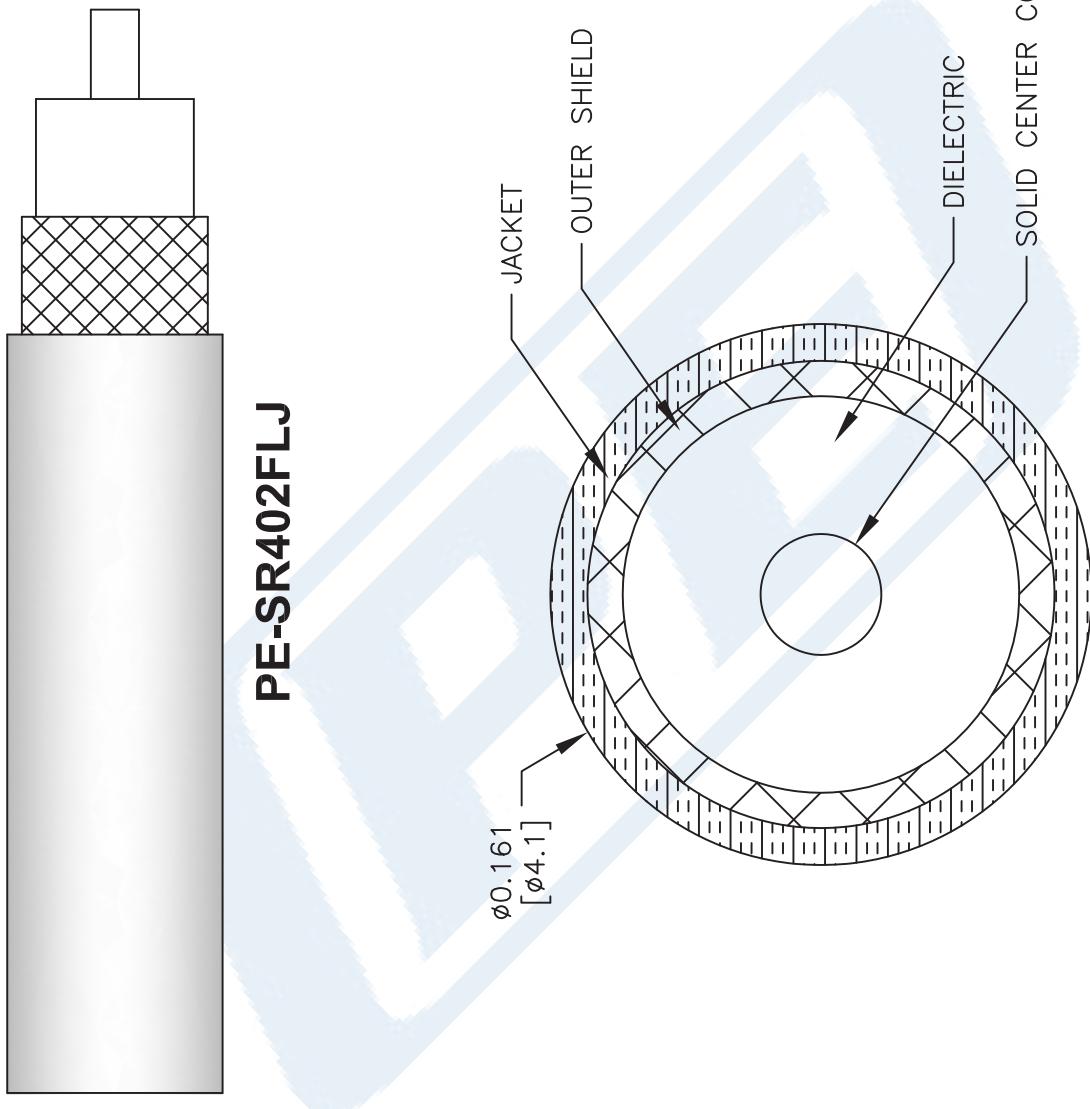
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URL: <https://www.pasternack.com/50-ohm-formable-141-semirigid-tinned-braid-outer-conductor-fep-jacket-black-pe-sr402flj-p.aspx>

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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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DWG TITLE



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FSCM NO.	CAD FILE	SCALE	SIZE	41742
53919	111716	N/A	A	