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3.5mm Male Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402

TECHNICAL DATA SHEET PE4981

3.5mm Male Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402

Configuration

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

Electrical Specifications

Impedance, Ohms	50

Mechanical Specifications

Size

Length, in [mm]	0.86 [21.84]
Width/Dia., in [mm]	0.32 [8]
Weight, lbs [g]	0.013 [5.9]

Connector

Type	3.5mm Male
Contact Material and Plating	Beryllium Copper, Gold
Contact Plating Specification	50µ in. minimum
Coupling Nut Material and Plating	Passivated Stainless Steel
Coupling Nut Plating Specification	SAE-AMS-2700
Hex Size, in.	5/16
Torque, in-lbs [Nm]	8 [0.9]
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	Yes

Plotted and Other Data

Notes:	Values at 25 °C, sea level

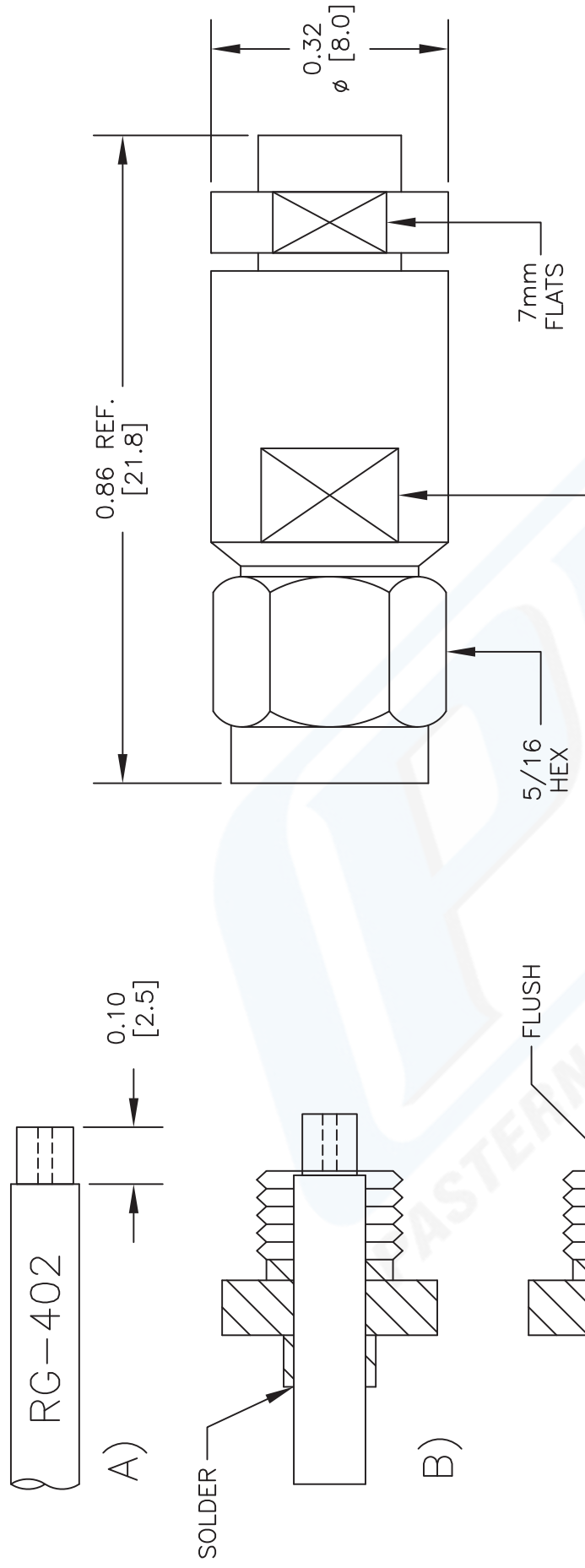
URL: http://www.pasternack.com/3.5mm-male-standard-pe-sr402al-pe-sr402fl-rg402-connector-pe4981-p.aspx

3.5mm Male Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402 from Pasternack Enterprises has same day shipment for domestic and International orders. We maintain 99% availability of the industry's broadest selection of RF, microwave and fiber optic products.

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

PE4981 CAD Drawing

3.5mm Male Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402



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 DIELECTRIC AS SHOWN IN (C).
4. SCREW ASSEMBLY INTO BODY & TIGHTEN.

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 **PE4981**

REV. A	FSCM NO. 53919	CAD FILE 051812	SCALE N/A	SIZE A	2233

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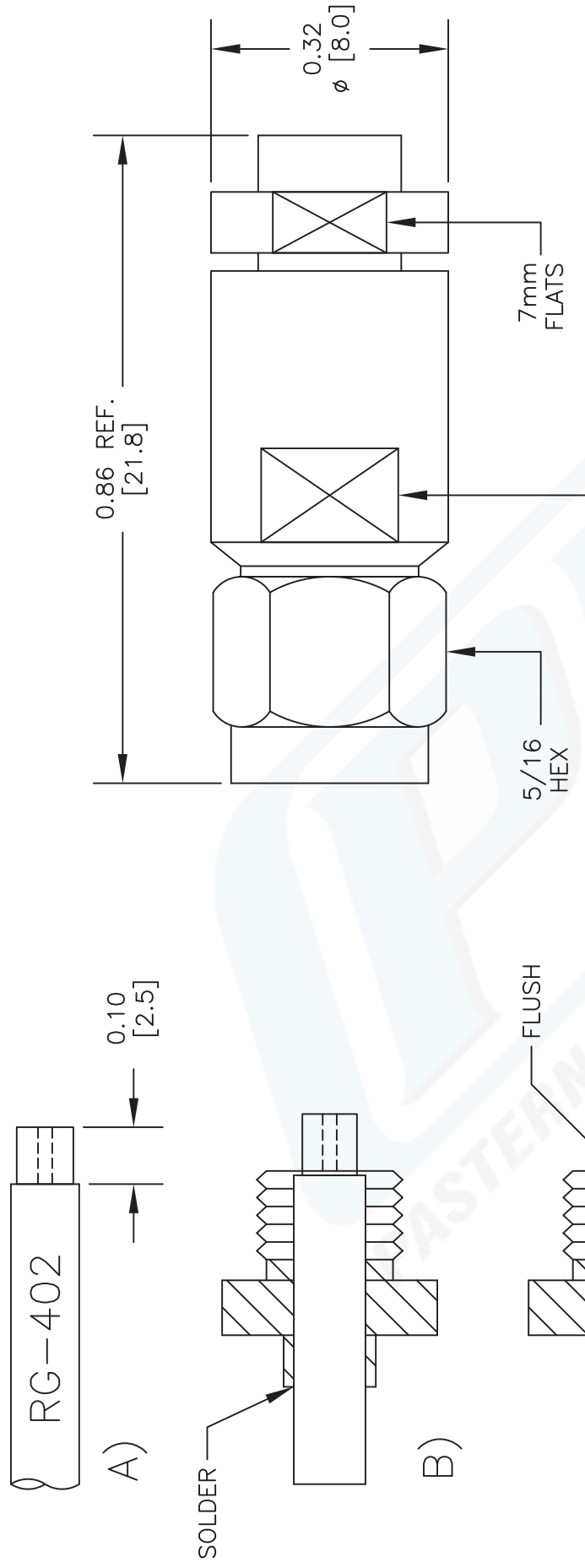

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THE ENGINEER'S RF SOURCE

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

RF Cables Technical Data Sheet PE-SR402FL

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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		20	GHz
Impedance		50		Ohms
Velocity of Propagation		69.5		%
Shielding Effectiveness	110			dB
Inner Conductor DC Resistance			7.8	Ohms/1000ft
Outer Conductor DC Resistance			5.5	Ohms/1000ft
Nominal Capacitance		29 [95.14]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	5	10	20	GHz
Attenuation, Typ	8	12	29	45	70	dB/100ft
	26.25	39.37	95.14	147.64	229.66	dB/100m

Mechanical Specifications

Min. Bend Radius (Repeated)	0.625 in [15.88 mm]

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

RF Cables Technical Data Sheet PE-SR402FL

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, 1 Strands	0.037 in [0.94 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.119 in [3.02 mm]
First Shield	Tinned Copper Braid 100% coverage	0.141 in [3.58 mm]

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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

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

URL: https://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

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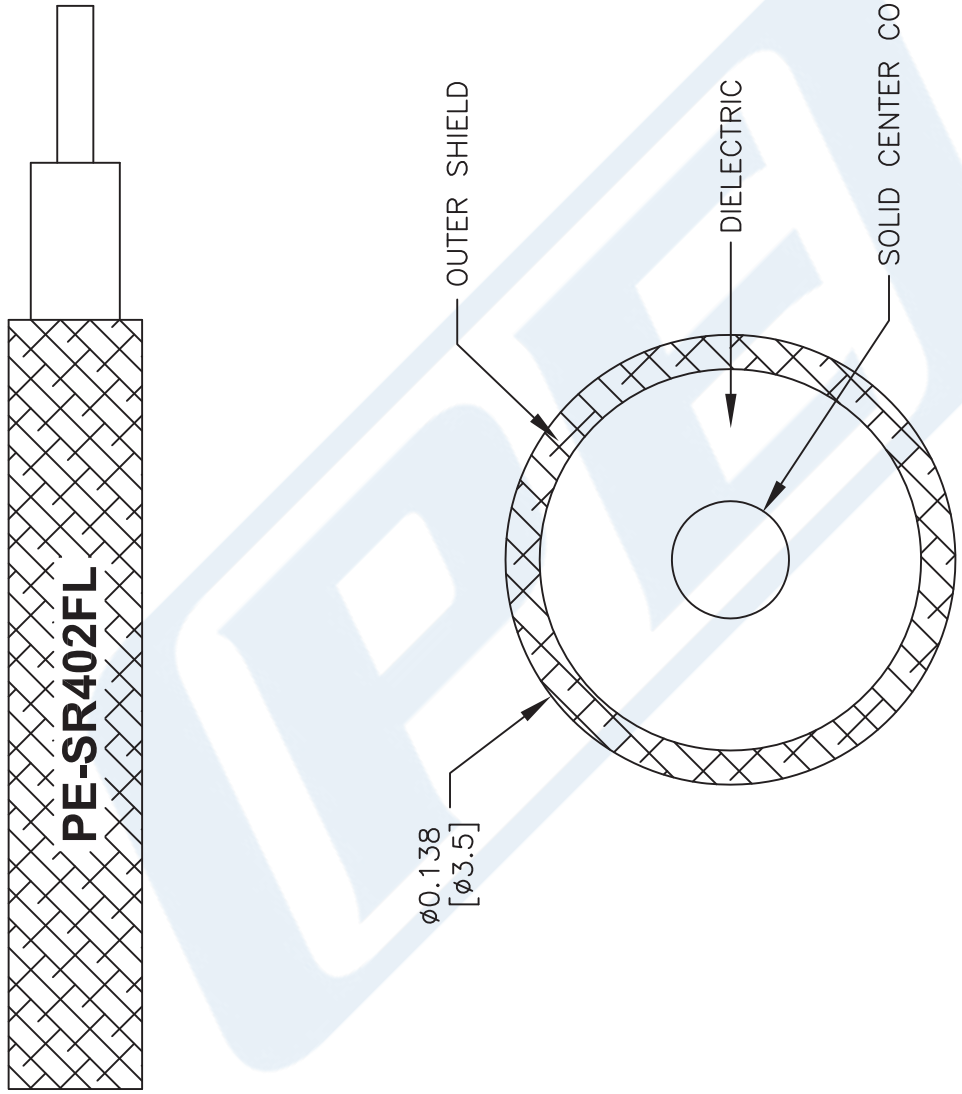

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DWG TITLE
PESR402FL

CAD FILE 111716 | SCALE N/A | SIZE A | 41742

FSCM NO. 53919

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