



2.2-5 Male Low PIM Connector Solder Attachment for PE-SR402FL, PE-SR402FLJ, RG402, PE-SR402AL

RF Connectors Technical Data Sheet

PE45827

Configuration

- 2.2-5 Male Connector
- 50 Ohms
- Straight Body Geometry

- Connector Interface Types: PE-SR402FL, PE-SR-402FLJ, RG402, PE-SR402AL
- Low PIM Design

Features

- Max. Operating Frequency 6 GHz
- PIM levels lower than -155 dBc

- Silver Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies
- Wireless Communications
- Low PIM Applications

Description

Pasternack's PE45827 2.2-5 male connector with solder/solder attachment for PE-SR402FL, PE-SR402FLJ, RG402 and PE-SR402AL is part of our full line of RF components available for same-day shipping. Our 2.2-5 male connector operates up to a maximum frequency of 6 GHz. The 2.2-5 male connector also has low passive intermodulation of -155 dBc.

Our 2.2-5 male connector PE45827 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
Passive Intermodulation			-155	dBc
Dielectric Withstanding Voltage (AC)			750	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 3	3 to 6				GHz
VSWR, Max	1.15:1	1.25:1				

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.2-5 Male Low PIM Connector Solder Attachment for PE-SR402FL, PE-SR402FLJ, RG402, PE-SR402AL PE45827](#)



2.2-5 Male Low PIM Connector Solder Attachment for PE-SR402FL, PE-SR402FLJ, RG402, PE-SR402AL

RF Connectors Technical Data Sheet

PE45827

Mechanical Specifications

Size

Length	0.79 in [20.07 mm]
Width/Dia.	0.69 in [17.53 mm]
Height	0.69 in [17.53 mm]
Weight	0.041 lbs [18.6 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Silver
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal
O-Ring	Silicone Rubber	

Environmental Specifications

Temperature

Operating Range	-40 to +155 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.2-5 Male Low PIM Connector Solder Attachment for PE-SR402FL, PE-SR402FLJ, RG402, PE-SR402AL PE45827](#)



2.2-5 Male Low PIM Connector Solder Attachment for PE-SR402FL, PE-SR402FLJ, RG402, PE-SR402AL

RF Connectors Technical Data Sheet

PE45827

2.2-5 Male Low PIM Connector Solder Attachment for PE-SR402FL, PE-SR402FLJ, RG402, PE-SR402AL 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: [2.2-5 Male Low PIM Connector Solder Attachment for PE-SR402FL, PE-SR402FLJ, RG402, PE-SR402AL PE45827](https://www.pasternack.com/2.2-5-male-pe-sr402fl-pe-sr402flj-pe-sr402al-connector-pe45827-p.aspx)

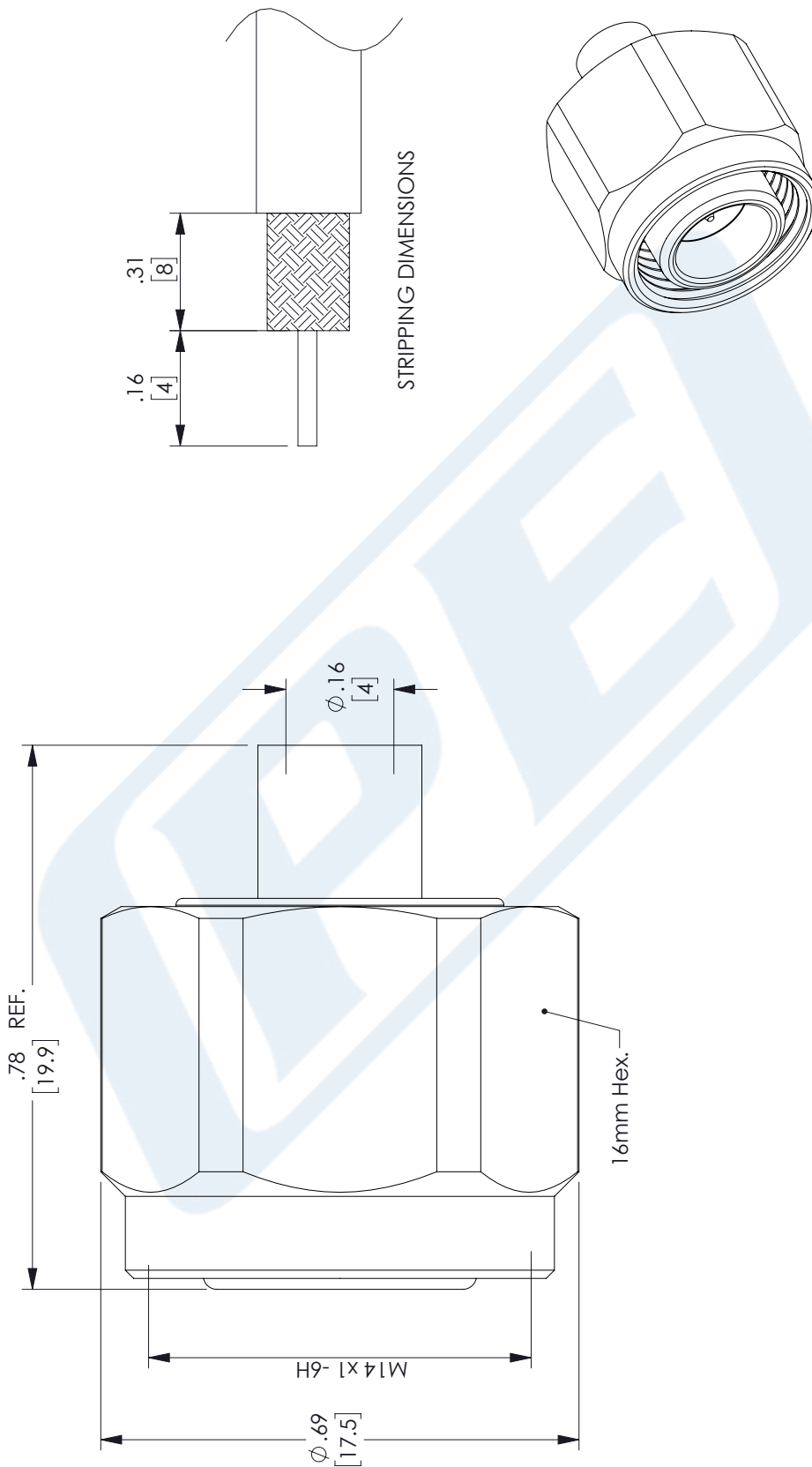
URL: <https://www.pasternack.com/2.2-5-male-pe-sr402fl-pe-sr402flj-pe-sr402al-connector-pe45827-p.aspx>

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.

PE45827 CAD Drawing

2.2-5 Male Low PIM Connector Solder Attachment for PE-SR402FL, PE-SR402FLJ, RG402, PE-SR402AL

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	8/17/2022	AGANWANI



UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

.X = ± .2	[5.08]	FRACTIONS
.XX = ± .02	[.51]	± 1/32
.XXX = ± .005	[.13]	ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305]	± .1 [25] / -0
12 [305] < L ≤ 60 [1524]	± .2 [51] / -0
60 [1524] < L ≤ 120 [3048]	± .4 [102] / -0
120 [3048] < L ≤ 300 [7620]	± .6 [152] / -0
300 [7620] < L	± .5% L / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

PE PASTERNAK
an INFINITE brand

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

SIZE A

CAGE CODE 53919

DRAWN BY PSRINIVAS

ITEM NO. PE45827

REV A

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4.3-10 Male Low PIM Push-On Connector Solder Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, IP67 Rated

RF Connectors Technical Data Sheet

PE45301

Configuration

- Push-On 4.3-10 Male Connector
- Straight Body Geometry
- RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ

- Interface Type
- Solder/Solder Attachment
 - Low PIM Design

Features

- Max. Operating Frequency 6 GHz
- Excellent VSWR of 1.08:1
- PIM levels lower than -166 dBc
- Silver Plated Brass Contact
- IP 67 (Mated)
- Low Coupling Torque
- Corrosion Resistant Tri-Metal Finish
- Low-PIM rating of -166 dBc

Applications

- General Purpose Test
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications
- Mobile Communications Systems
- Base Stations
- Distributed Antenna Systems (DAS)
- Small Cells
- Feeder Cables

Description

Pasternack's PE45301 4.3-10 male push-on connector with solder/solder attachment for RG402, PE-SR402AL, PE-SR402FL and PE-SR402FLJ is part of our full line of RF components available for same-day shipping. Our 4.3-10 male connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.08:1. The 4.3-10 male connector also has low passive intermodulation of -166 dBc. The connector has an IP67 rating to protect against dust and temporary moisture protection under immersion conditions.

Our 4.3-10 male connector PE45301 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.08:1	
Insertion Loss			0.13	dB
Passive Intermodulation		-166		dBc
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4.3-10 Male Low PIM Push-On Connector Solder Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, IP67 Rated PE45301](#)



4.3-10 Male Low PIM Push-On Connector Solder Attachment for
RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, IP67 Rated

RF Connectors Technical Data Sheet

PE45301

Mechanical Specifications

Size

Length	0.88 in [22.35 mm]
Width/Dia.	1 in [25.40 mm]
Weight	0.068 lbs [30.84 g]
Mating Cycles	100 Cycles

Material Specifications

Description	Material	Plating
Contact	Brass	Silver
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal
Gasket	EPDM Rubber	

Environmental Specifications

Temperature

Operating Range	-55 to +90 deg C
Ingress Protection (IP) Rating	IP 67 (Mated)

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4.3-10 Male Low PIM Push-On Connector Solder Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, IP67 Rated PE45301](#)



4.3-10 Male Low PIM Push-On Connector Solder Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, IP67 Rated

RF Connectors Technical Data Sheet

PE45301

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

Plotted and Other Data

Notes:

4.3-10 Male Low PIM Push-On Connector Solder Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, IP67 Rated 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.

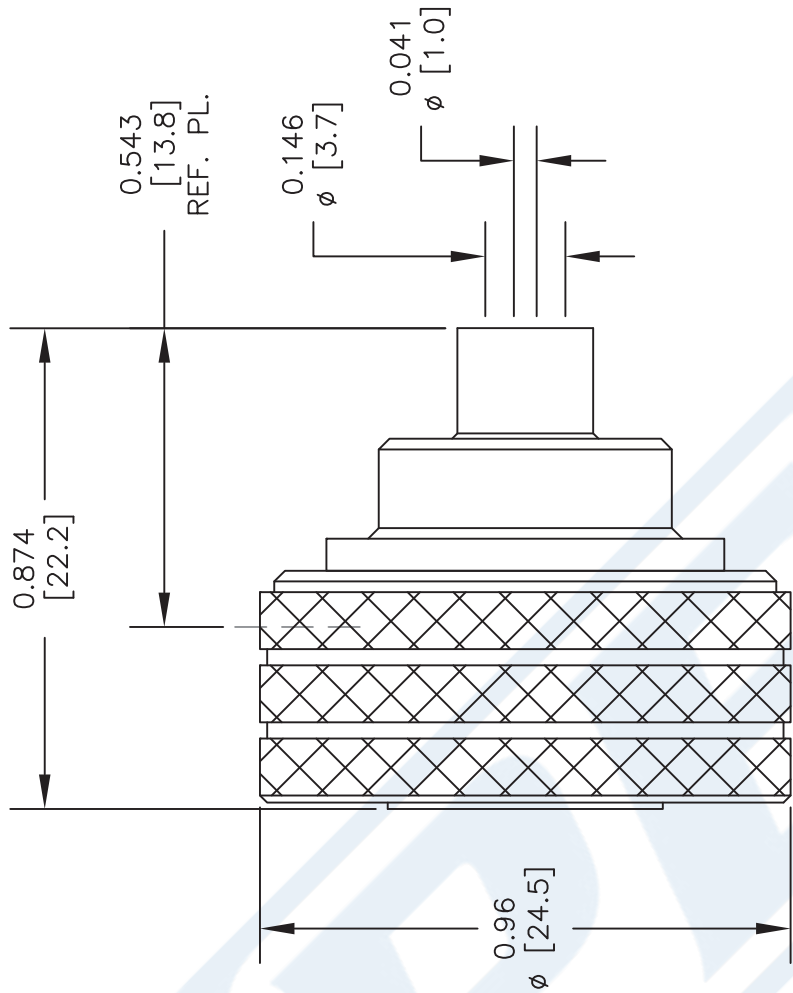
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4.3-10 Male Low PIM Push-On Connector Solder Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, IP67 Rated PE45301](#)

URL: <https://www.pasternack.com/4.3-10-male-rg402-pe-sr402al-pe-sr402fl-pe-sr402flj-connector-pe45301-p.aspx>

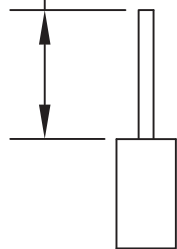
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PE45301 CAD Drawing

4.3-10 Male Low PIM Push-On Connector Solder Attachment for RG402,
PE-SR402AL, PE-SR402FL, PE-SR402FLJ, IP67 Rated



0.18
[4.5]



(A)

INSULATOR



(B)

STRIPPING DIMENSIONS ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN IN (A). DO NOT NICK CENTER CONDUCTOR.
2. PLACE INSULATOR OVER CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR AS SHOWN IN (B).
3. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR BOTTOMS OUT. SOLDER OUTER CONDUCTOR TO BODY.

STANDARD TOLERANCES

.X ±0.2
.XX ±0.1
.XXX ±0.05

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

PE PASTERNAK®
THE ENGINEER'S RF SOURCE

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DWG TITLE

PE45301

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].

CAGE CODE 53919

CAD FILE 011317

SCALE N/A

SIZE A

2233



0.141 Formable Non-Magnetic Cable with Silver Plated Copper Conductor

RF Cables Technical Data Sheet

PE-141FL-NM

Configuration

- Non-Magnetic Formable Cable
- 1 Shield(s)

Features

- Max Frequency 34 GHz
- Magnetic Susceptibility 10^{-5}

Applications

- General Purpose Test
- Medical
- Quantum Computing
- Custom Cable Assemblies
- Military and Aerospace

Description

Pasternack's 0.141 semi-rigid non-magnetic cable uses series coaxial is available for same-day shipping from our facility. PE-141FL-NM cables from Pasternack are great choices for solutions requiring high quality and rapid shipping. Our non-magnetic RF cable has a 50 Ohm impedance and is rated for a 34 GHz maximum operating frequency. This high-quality cable is part of a large selection of in-stock, commercial-off-the-shelf, and custom-built coaxial cable assemblies for RF and microwave that all ship the same business day as they are ordered.

These formable RF cable assemblies are built with RF shielding of 90 dB and have a cable weight of 1.32 lbs/ft. Our RF coaxial cable has a 0.036-inch SPC (silver-plated copper) conductor and a bending moment of 0.375 lbs-ft. The coaxial RF cable has a maximum attenuation of 109.02 dB/100ft at a frequency of 26.5 GHz.

The technical performance specifications of this 34 GHz cable are located on the PE-141FL-NM datasheet PDF, along with a CAD drawing and dimensions. Our non-magnetic RF cable has a PTFE dielectric type. This RF non-magnetic cable has a copper-tin composite outer conductor and a maximum operating temperature of 125 deg C. The Pasternack 0.141 semi-rigid RF cable assembly data sheet with specs and drawing dimensions can be found on this product page just above.

0.141 semi-rigid non-magnetic cable is one of a large selection of in-stock RF products available. Pasternack not only has this off-the-shelf but also custom versions of our cable assemblies are available for same-day shipping, we have thousands of other products that have same day shipping. Our expert technical support and knowledgeable sales teams are ready to help and answer your RF coaxial cable assembly questions.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		34	GHz
Impedance		50		Ohms
Velocity of Propagation		70		%
Shielding Effectiveness	90			dB
Operating Voltage (AC)			5,000	Vrms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [0.141 Formable Non-magnetic Cable with Silver Plated Copper Conductor PE-141FL-NM](#)



0.141 Formable Non-Magnetic Cable with Silver Plated Copper Conductor

RF Cables Technical Data Sheet

PE-141FL-NM

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	5	10	18	GHz
Attenuation, Typ	11.2	16.2	39.2	59.4	85.2	dB/100ft
	36.75	53.15	128.61	194.88	279.53	dB/100m

Description	F6	F7	F8	F9	F10	Units
Frequency	26.5	40				GHz
Attenuation, Typ	109.2	142.9				dB/100ft
	358.27	468.83				dB/100m

Mechanical Specifications

Min. Bend Radius (Repeated) 0.375 in [9.53 mm]

Construction Specifications

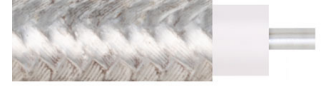
Description	Material and Plating	Diameter
Inner Conductor	Silver Plated Copper, 1 Strand	0.036 in [0.91 mm]
Conductor Type	Solid	
Dielectric	PTFE PTFE	0.117 in [2.97 mm]
Outer Conductor	Copper-Tin Composite 100% coverage	0 in [0 mm]
Jacket	Copper	[]

Environmental Specifications

Temperature

Operating Range -55 to +200 deg C
Storage Range -55 to +200 deg C

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [0.141 Formable Non-magnetic Cable with Silver Plated Copper Conductor PE-141FL-NM](#)



0.141 Formable Non-Magnetic Cable with Silver Plated Copper Conductor

RF Cables Technical Data Sheet

PE-141FL-NM

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

Plotted and Other Data

Notes:

0.141 Formable Non-Magnetic Cable with Silver Plated Copper 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.

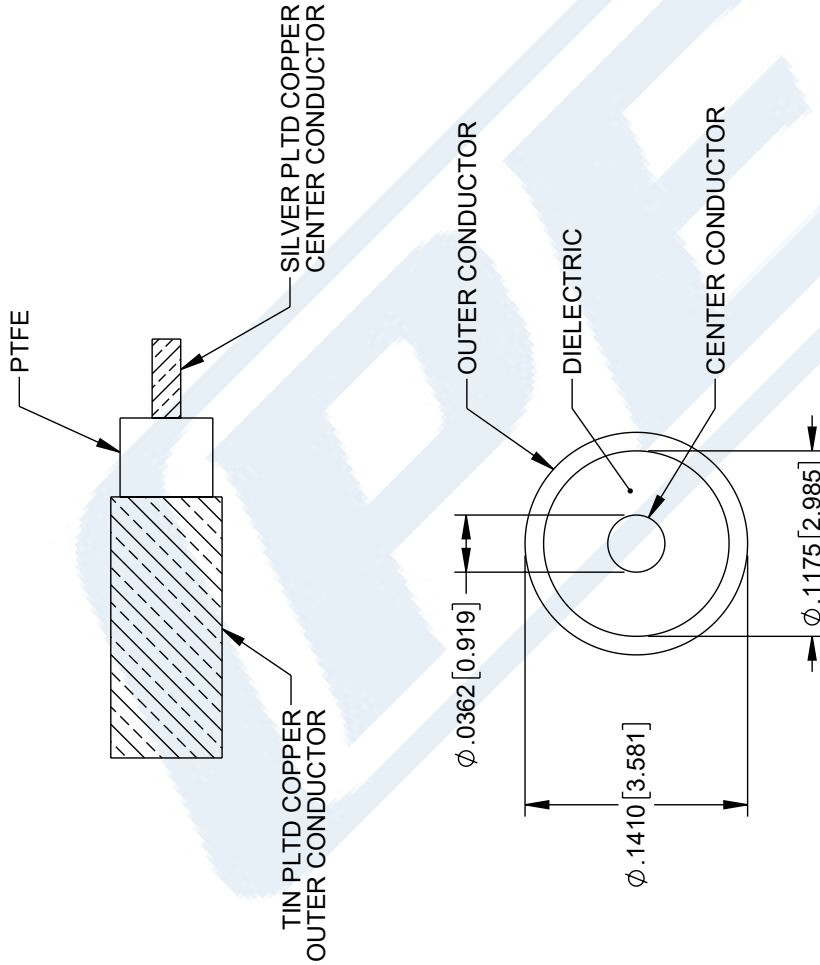
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [0.141 Formable Non-magnetic Cable with Silver Plated Copper Conductor PE-141FL-NM](#)

URL: <https://www.pasternack.com/non-magnetic-formable-pe-141fl-nm-copper-jacket-pe-141fl-nm-p.aspx>

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PE-141FL-NM CAD Drawing

0.141 Formable Non-Magnetic Cable with Silver Plated Copper Conductor



ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	08/01/2023	DZINN	AGANWANI

REVISION

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
.X = ±.02 [0.5]	± 1/32
.XX = ±.005 [0.13]	ANGLES ± 1°
CABLE LENGTH TOLERANCES:	
≤ 12 [305] = ±.1 [25] / -0	
> 12 [305] ≤ 60 [1524] = ±.2 [51] / -0	
> 60 [1524] ≤ 120 [3048] = ±.4 [102] / -0	
> 120 [3048] ≤ 300 [7620] = ±.8 [203] / -0	
> 300 [7620] = ±.98 [25] / -0	
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE UN-DIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION COLORS MAY VARY	



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Phone: 1.866.727.8376 | 1.949.261.1920

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	SHEET
SCALE	1 OF 1

DESCRIPTION
.141 DIA COAX CABLE, FORMABLE, TIN PLATED COPPER
OUTER CONDUCTOR, NON-MAGNETIC

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	DZINN	PE-141FL-NM	A

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