



**N Male Right Angle Precision Connector Solder Attachment
For PE-SR405AL, PE-SR405FL, PE-SR405FLJ, RG405**

TECHNICAL DATA SHEET

PE44702

**N Male Right Angle Precision Connector Solder Attachment For PE-SR405AL, PE-SR405FL,
PE-SR405FLJ, RG405**

Configuration

Connector	N Male
Connector Interface Type	PE-SR405AL, PE-SR405FL, PE-SR405FLJ, RG405
Cable Attachment Method (Shield/Contact)	Solder/Solder
Connector Design	Precision
Body Style	Right Angle

Electrical Specifications

Frequency Range, GHz	DC to 11
Impedance, Ohms	50

Mechanical Specifications

Size	
Length, in [mm]	1.136 [28.85]
Width/Dia., in [mm]	0.79 [20.07]

Connector

Type	N Male
Contact Material and Plating	Brass, Gold
Coupling Nut Material and Plating	Brass, Nickel
Body Material and Plating	Brass, Nickel
Dielectric Type	PTFE

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

RoHS Compliant	Yes
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Precision Connector Solder Attachment For PE-SR405AL, PE-SR405FL, PE-SR405FLJ, RG405 PE44702](#)

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N Male Right Angle Precision Connector Solder Attachment
For PE-SR405AL, PE-SR405FL, PE-SR405FLJ, RG405

TECHNICAL DATA SHEET

PE44702

Plotted and Other Data

Notes:

Values at 25 °C, sea level

N Male Right Angle Precision Connector Solder Attachment For PE-SR405AL, PE-SR405FL, PE-SR405FLJ, RG405 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.

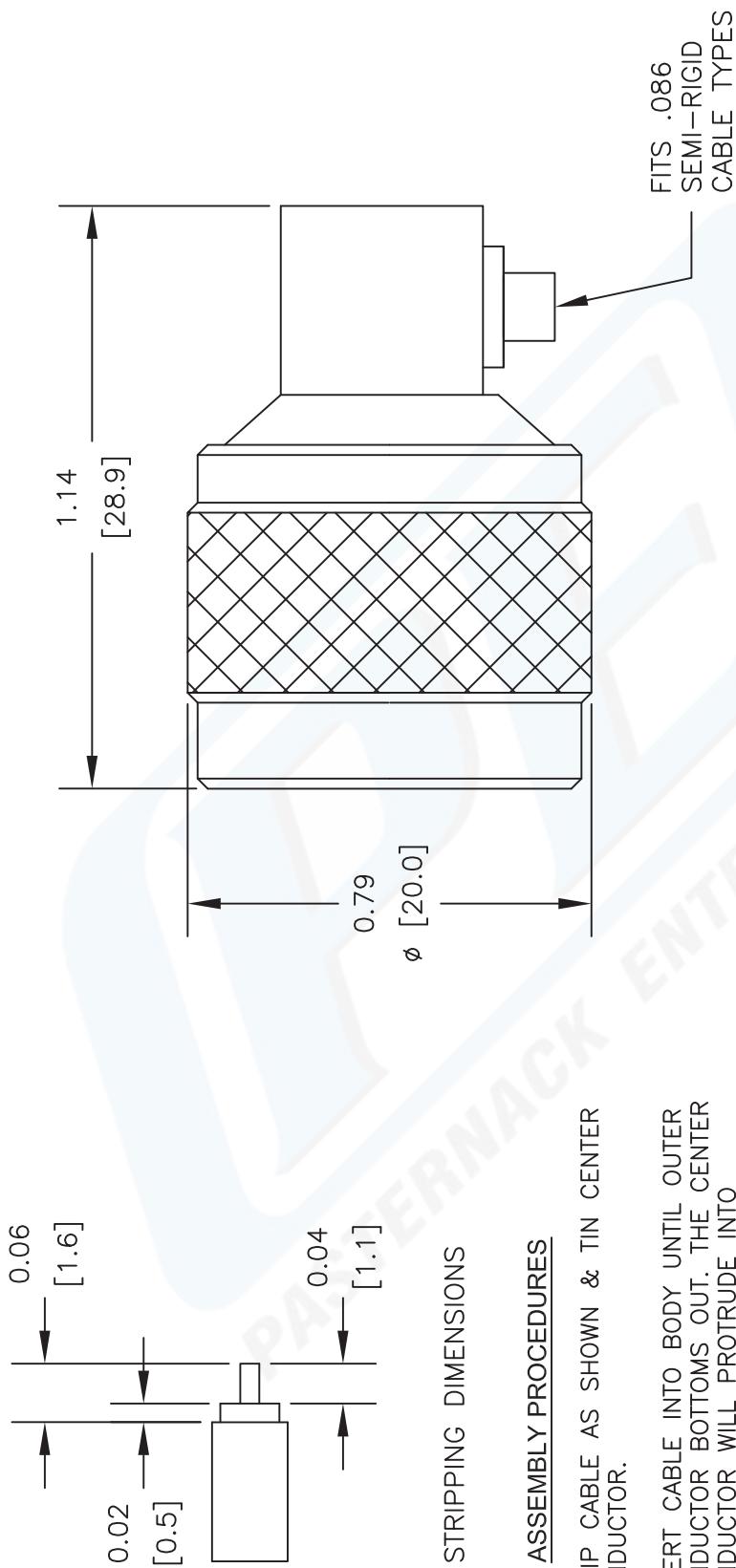
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Precision Connector Solder Attachment For PE-SR405AL, PE-SR405FL, PE-SR405FLJ, RG405 PE44702](#)

URL: <http://www.pasternack.com/n-male-standard-pe-sr405al-pe-sr405fl-pe-sr405flj-connector-pe44702-p.aspx>

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PE44702 CAD Drawing

N Male Right Angle Precision Connector Solder Attachment For
PE-SR405AL, PE-SR405FL, PE-SR405FLJ, RG405



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
PE44702

PE PASTERNACK®
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REV. -	FSCM NO.	53919	CAD FILE	062311	SCALE	N/A	SIZE A	2231
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N Female Bulkhead Mount Connector Clamp/ Solder Attachment for PE-SR405AL, PE-SR405FL, RG405, PE-SR405TN, .640 inch DD Hole



RF Connectors Technical Data Sheet

PE4443

Configuration

- N Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-SR405AL, PE-SR-405FL, RG405, PE-SR405TN
- Bulkhead

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

Description

Pasternack's PE4443 type N female bulkhead connector with clamp/solder attachment for PE-SR405AL, PE-SR405FL, RG405 and PE-SR405TN (.640 inch DD hole) is part of our full line of RF components available for same-day shipping. This type N bulkhead connector allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Our type N female bulkhead connector PE4443 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

Weight	0.11 lbs [49.9 g]
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Material Specifications

Description	Material	Plating
Body	Brass	Nickel

Environmental Specifications

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: [N Female Bulkhead Mount Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR-405FL, RG405, PE-SR405TN, .640 inch DD Hole PE4443](#)

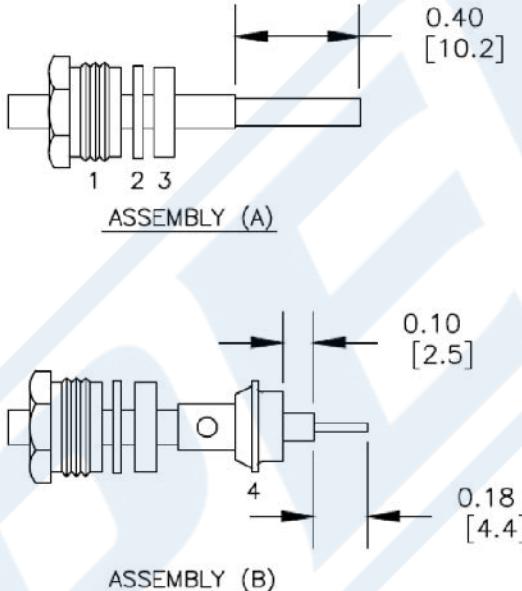
N Female Bulkhead Mount Connector Clamp/
Solder Attachment for PE-SR405AL, PE-SR405FL,
RG405, PE-SR405TN, .640 inch DD Hole



RF Connectors
Technical Data Sheet

PE4443

Assembly Instruction



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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Bulkhead Mount Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR-405FL, RG405, PE-SR405TN, .640 inch DD Hole PE4443](#)



N Female Bulkhead Mount Connector Clamp/ Solder Attachment for PE-SR405AL, PE-SR405FL, RG405, PE-SR405TN, .640 inch DD Hole

RF Connectors Technical Data Sheet

PE4443

N Female Bulkhead Mount Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, RG405, PE-SR405TN, .640 inch DD Hole 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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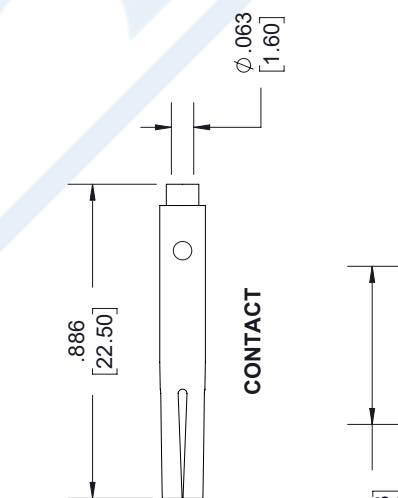
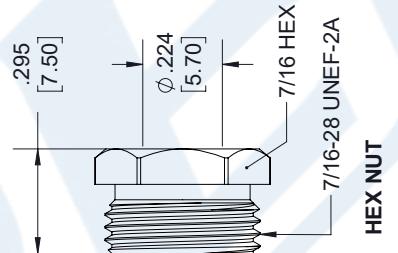
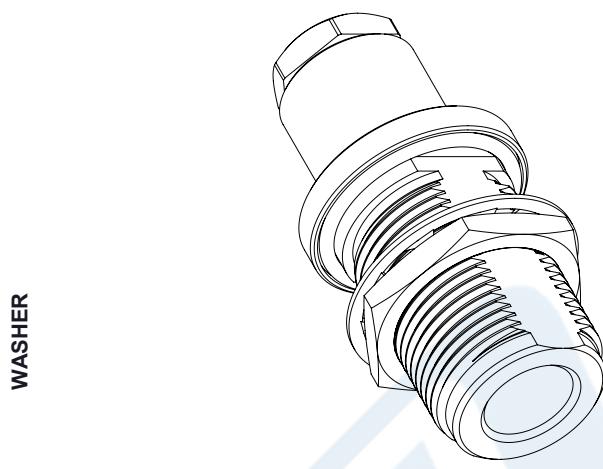
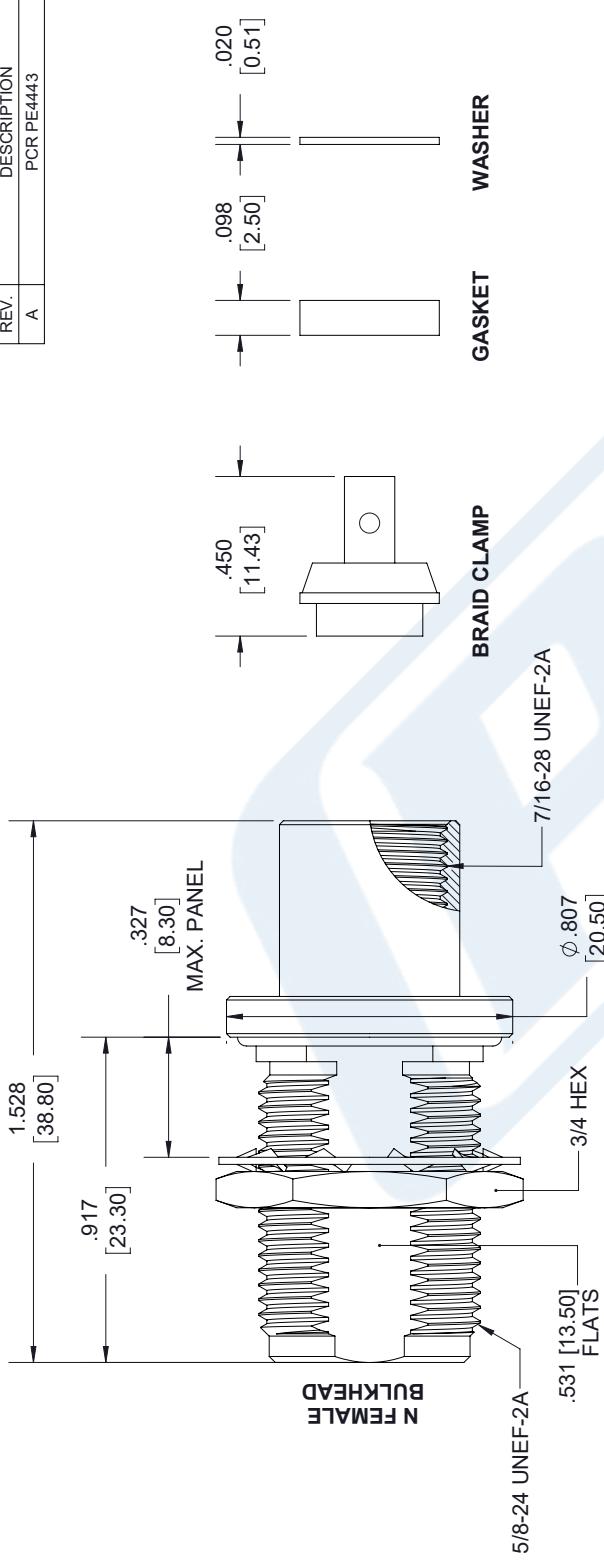
URL: <https://www.pasternack.com/n-female-standard-pe-sr405al-pe-sr405fl-rg405-connector-pe4443-p.aspx>

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PE4443 CAD Drawing

N Female Bulkhead Mount Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, RG405, PE-SR405TN, .640 inch DD Hole

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR PE4443	12/19/2019	S.ELLIS



THIRD ANGLE PROJECTION	
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SCALE	1 OF 2
ITEM NO.	PE4443
REV.	A

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

FRACTIONS
 $X = \pm .2$ [5.08] $\frac{1}{32}$
 $XXX = \pm .02$ [5.51] $\pm .13$
 $XXX = \pm .005$ [1.31] ANGLES $\pm 1^\circ$
CABLE LENGTH (L) TOLERANCES:
 $L \leq 12$ [305] = $+1 [-25]$ / -0
 $12 [305] < L \leq 60 [1524] = +2 [-51]$ / -0
 $60 [1524] < L \leq 120 [3048] = +4 [-102]$ / -0
 $120 [3048] < L \leq 300 [7620] = +6 [-152]$ / -0
 $300 [7620] < L = +5% L$ / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

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WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.



Formable 086 Semirigid Coax Cable with Tinned Braid Outer Conductor and Black FEP Jacket

RF Cables Technical Data Sheet

PE-SR405FLJ

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.

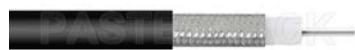
Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		61	GHz
Impedance		50		Ohms
Velocity of Propagation		69.5		%
Time Delay		1.43 [4.69]		ns/ft [ns/m]
Shielding Effectiveness	100			dB
Operating Voltage (AC)			1,500	Vrms
Inner Conductor DC Resistance			65.7	Ohms/1000ft
Outer Conductor DC Resistance			10.2	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	15	22.5	54.9	81.2	120	dB/100ft
	49.21	73.82	180.12	266.4	393.7	dB/100m
Input Power (CW), Max	173.5	121.5	52.2	35.8	24.3	Watts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable PE-SR405FLJ Coax Cable with Outer Conductor and Black FEP Jacket PE-SR-405FLJ](#)



Formable 086 Semirigid Coax Cable with Tinned Braid Outer Conductor and Black FEP Jacket

RF Cables Technical Data Sheet

PE-SR405FLJ

Mechanical Specifications

Diameter	0.105 in [2.67 mm]
Weight	0.015 lbs/ft [0.02 Kg/m]
Min. Bend Radius (Installation)	0.5 in [12.7 mm]
Min. Bend Radius (Repeated)	0.787 in [19.99 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 1 Strands	0.02 in [0.51 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.062 in [1.57 mm]
Outer Conductor	Tinned Copper Composite Braid	0.085 in [2.16 mm]
Jacket	FEP, Black	0.105 in [2.67 mm]

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

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

Plotted and Other Data

Notes:

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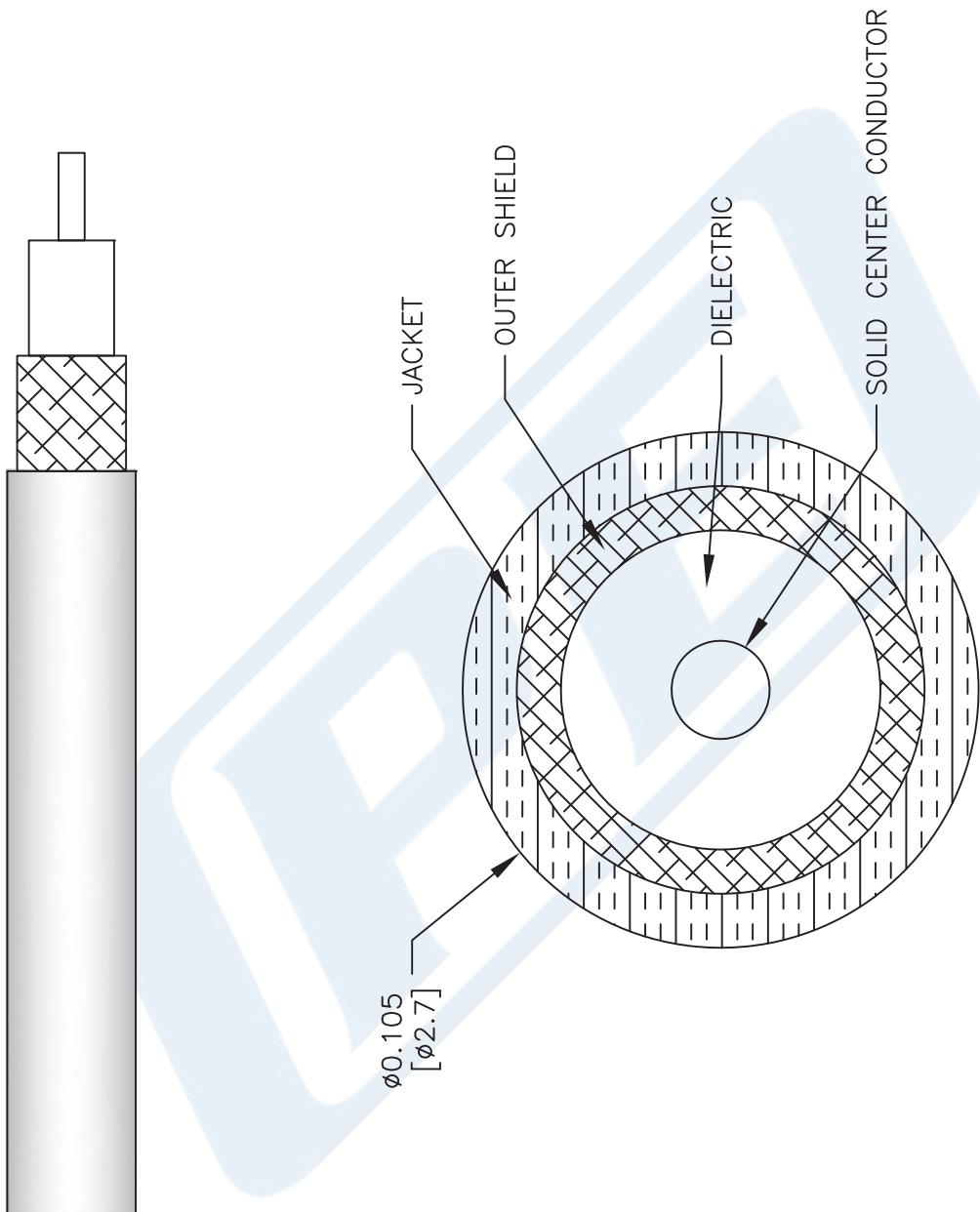
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URL: <https://www.pasternack.com/50-ohm-formable-086-semirigid-tinned-braid-outer-conductor-fep-jacket-black-pe-sr405flj-p.aspx>

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PE-SR405FLJ CAD Drawing

Formable 086 Semirigid Coax Cable with Tinned Braid
Outer Conductor and Black FEP Jacket



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PE-SR405FLJ

DWG TITLE

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CAGE CODE	53919	CAD FILE	032817	SCALE	N/A	SIZE	A	2233
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