



## 4.3-10 Male Right Angle Connector Solder Attachment for SPP-250-LLPL, Low PIM

### RF Connectors Technical Data Sheet

PE45419

#### Configuration

- 4.3-10 Male Connector
- 50 Ohms
- Right Angle Body Geometry
- SPP-250-LLPL Interface Type
- Solder/Solder Attachment

#### Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.3:1
- PIM levels lower than -170 dBc
- Silver Plated Brass Contact

#### Applications

- General Purpose Test
- Custom Cable Assemblies
- Low PIM Interconnects
- Distributed Antenna Systems (DAS)
- Low PIM Jumpers
- Low PIM Testing
- Low PIM Connections

#### Description

Pasternack's PE45419 4.3-10 male right angle connector with solder/solder attachment for SPP-250-LLPL 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 good VSWR of 1.3:1. The 4.3-10 male connector also has low passive intermodulation of -170 dBc. Its right angle body geometry allows for easier connections in tight spaces.

Our 4.3-10 male right angle connector PE45419 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			1.3:1	
Insertion Loss			0.1	dB
Passive Intermodulation			-170	dBc
Operating Voltage (AC)			250	Vrms
Insulation Resistance	5,000			MOhms

Electrical Specification Notes:  
 Insertion Loss is  $0.04 * \sqrt{F} \text{GHz}$

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 Right Angle Connector Solder Attachment for SPP-250-LLPL, Low PIM PE45419](#)



## 4.3-10 Male Right Angle Connector Solder Attachment for SPP-250-LLPL, Low PIM

### RF Connectors Technical Data Sheet

PE45419

#### Material Specifications

Description	Material	Plating
Contact	Brass	Silver
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal
Retaining Ring	Beryllium Copper	
Gasket	Silicone Rubber	

#### Environmental Specifications

##### Temperature

Operating Range

-55 to +165 deg C

#### 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: [4.3-10 Male Right Angle Connector Solder Attachment for SPP-250-LLPL, Low PIM PE45419](#)

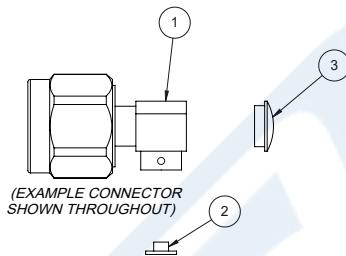


## 4.3-10 Male Right Angle Connector Solder Attachment for SPP-250-LLPL, Low PIM

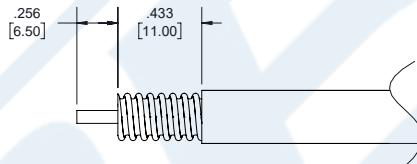
### RF Connectors Technical Data Sheet

PE45419

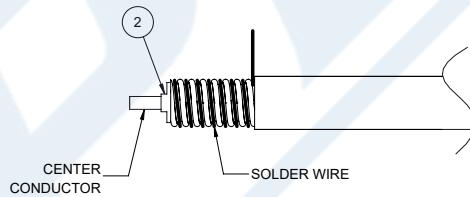
#### Assembly Instruction



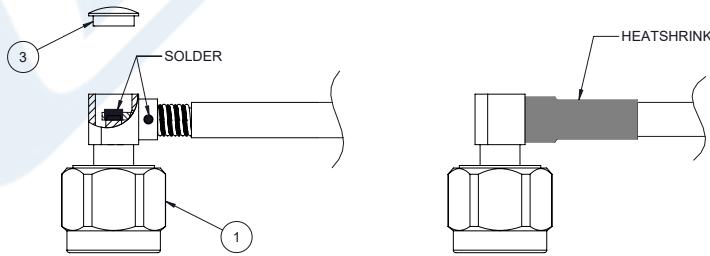
1. STRIP CABLE AS SHOWN, CHAMFER CENTER CONDUCTOR AND DEBURR CABLE.



2. SLIDE INSULATOR (2) OVER CABLE CENTER CONDUCTOR AND WRAP THE CABLE BY SOLDER WIRE.



3. PUSH THE CONNECTOR BODY INTO THE CABLE, UNTIL IT STOPS. SOLDER THE CONNECTOR BODY WITH CABLE. SOLDER THE INNER CONDUCTOR. PRESS THE CAP (3) INTO BODY AND COVER HEATSHRINK SLEEVE.



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 Right Angle Connector Solder Attachment for SPP-250-LLPL, Low PIM PE45419](#)



## 4.3-10 Male Right Angle Connector Solder Attachment for SPP-250-LLPL, Low PIM

### RF Connectors Technical Data Sheet

PE45419

4.3-10 Male Right Angle Connector Solder Attachment for SPP-250-LLPL, Low PIM 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.

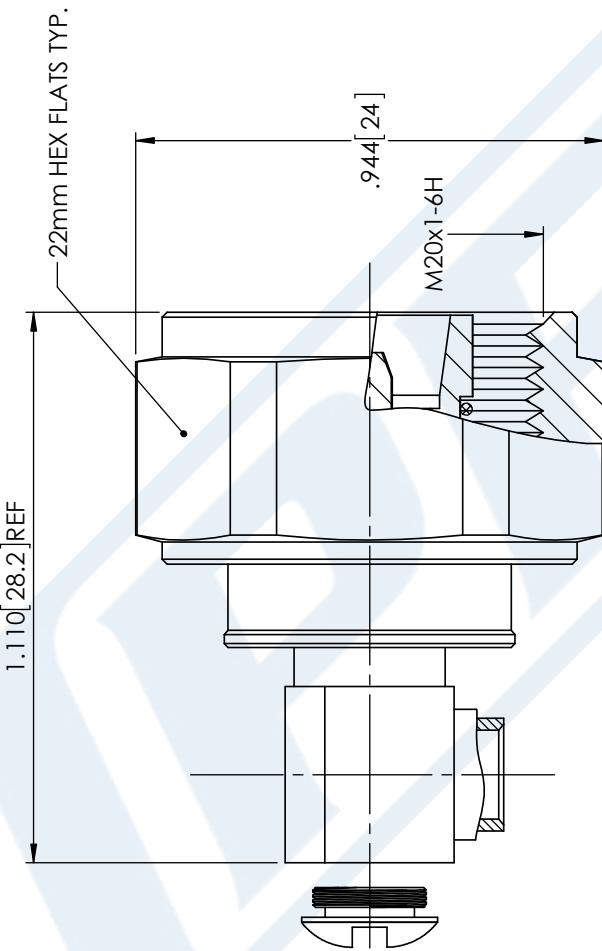
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4.3-10 Male Right Angle Connector Solder Attachment for SPP-250-LLPL, Low PIM PE45419](#)

URL: <https://www.pasternack.com/4.3-10-male-spp-250-llpl-connector-pe45419-p.aspx>

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# PE45419 CAD Drawing

4.3-10 Male Right Angle Connector Solder Attachment for SPP-250-LLPL, Low PIM



**PASTERNACK**  
THE ENGINEER'S RF SOURCE  
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**STANDARD TOLERANCES**  
ONLY TO DIMENSIONS IN INCHES

X	$\pm 0.2$
.XX	$\pm 0.01$
.XXX	$\pm 0.005$

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].	DWG TITLE PE45419	CAD FILE 11/20/17	SCALE N/A	SIZE A	CN2245
<b>CAGE CODE</b> 53919					

## SMA Male Low PIM Connector Solder Attachment for SPP-250-LLPL



### RF Connectors Technical Data Sheet


**TIMES** MICROWAVE SYSTEMS  
An Amphenol Company

**TC-SPP250-SM-LP**

#### Times Microwave Systems Connector Specification

##### Configuration

- SMA Male Connector
- 50 Ohms
- Straight Body Geometry
- SPP-250-LLPL Interface Type
- Solder/Solder Attachment
- Low PIM Design

##### Features

- Max. Operating Frequency 6 GHz
- Excellent VSWR of 1.25:1
- Silver Plated Brass Contact
- 196 µin contact plating

##### Applications

- General Purpose Test
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications
- Distributed Antenna Systems (DAS)

##### Description

Times Microwave's TC-SPP250-SM-LP SMA male connector offered by Pasternack with solder/solder attachment for Times' SPP-250-LLPL is part of our full line of RF components available for same-day shipping. Times Microwave's SMA male connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.25:1.

Times Microwave's SMA male connector TC-SPP250-SM-LP 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			1.25:1	
Insertion Loss		0.15		dB
Operating Voltage (DC)			1,000	Vdc
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2.5	mOhms
Insulation Resistance	5,000			MOhms

##### Mechanical Specifications

Size	
Length	1.06 in [26.92 mm]
Mating Torque	7 to 10 in-lbs [0.79 to 1.13 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Low PIM Connector Solder Attachment for SPP-250-LLPL TC-SPP250-SM-LP](#)

## SMA Male Low PIM Connector Solder Attachment for SPP-250-LLPL



### RF Connectors Technical Data Sheet

#### Material Specifications

Description	Material	Plating
Contact	Brass	Silver 196 $\mu$ in
Insulation	PTFE	
Body	Brass	Tri-Metal 118 $\mu$ in
Coupling Nut	Brass	Tri-Metal 118 $\mu$ in
Gasket	Silicone Rubber	

#### Environmental Specifications

##### Temperature

Operating Range

-55 to +155 deg C

Shock

MIL-STD 202G, Method 213, Condition I

Vibration

MIL-STD 202G, Method 204, Condition B

Thermal Shock

MIL-STD 202G, Method 107, Condition B

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

#### Plotted and Other Data

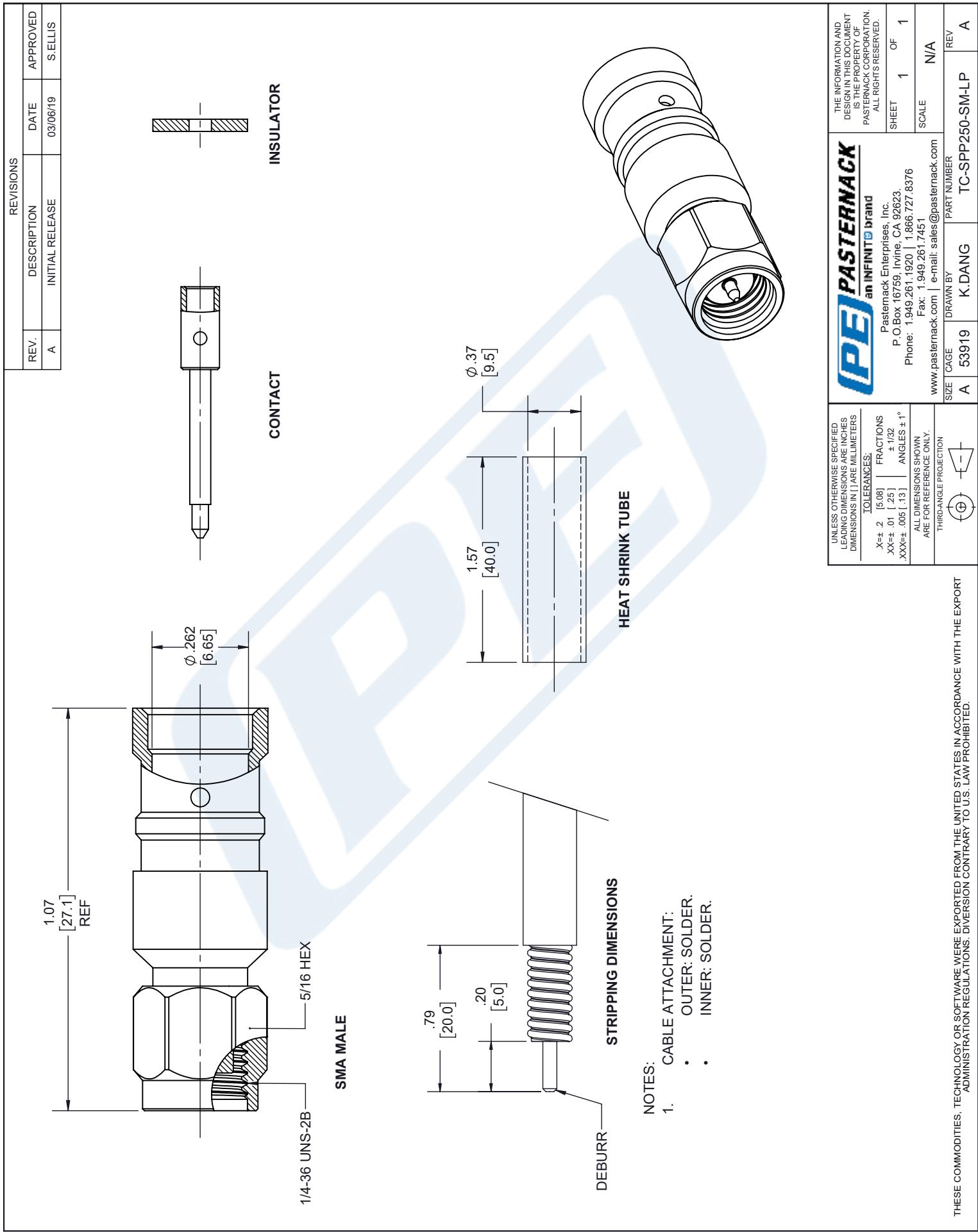
Notes:

SMA Male Low PIM Connector Solder Attachment for SPP-250-LLPL 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: [SMA Male Low PIM Connector Solder Attachment for SPP-250-LLPL TC-SPP250-SM-LP](#)

URL: <https://www.pasternack.com/sma-male-spp-250-llpl-connector-tc-spp250-sm-lp-p.aspx>

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## Low Loss SPP-250-LLPL Plenum Rated Corrugated Coax Cable with Blue FEP Jacket Superflexible

### RF Cables Technical Data Sheet

#### Times Microwave Systems Coax Cable Specification

##### Configuration

- Low Loss, Plenum Corrugated Cable

##### Features

- PIM < -160 dBc
- UL910 Plenum Rated Cable
- Lightweight and Extremely Flexible
- Low Loss
- Great Shielding >100 dB
- UV Resistant Jacket

##### Applications

- Distributed Antenna Systems (DAS)
- Plenum Installations
- Small Cells
- Multi-Carrier Communication Systems
- PIM Testing

##### Description

SPP-250-LLPL low loss plenum rated coax cable by Times Microwave is part of our full line of RF components available for same-day shipping. The SPP-250-LLPL coaxial cable features a low loss dielectric, solid copper center conductor and a helically corrugated, copper outer conductor. These features combine to make the Times Microwave SPP-250-LLPL an extremely flexible, low PIM coax cable that is well suited for Distributed Antenna Systems (DAS), plenum installations or small cells. The tough, FEP jacket provides moisture and UV protection.

Our datasheet specifications and drawing with dimensions for Times Microwave SPP-250-LLPL coax cable are shown below in this PDF. Whether the need is to provide a low PIM jumper connection, low PIM feeder cable or simply create a custom cable assembly configuration, Pasternack has the right SPP-250-LLPL cable assemblies for the job.

##### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
Impedance	50			Ohms
Velocity of Propagation	76			%
Shielding Effectiveness	100			dB
Passive Intermodulation			-160	dBc
Inner Conductor DC Resistance		3		Ohms/1000ft
Nominal Capacitance	27 [88.58]			pF/ft [pF/m]
Nominal Inductance	0.067 [0.22]			uH/ft [uH/m]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss SPP-250-LLPL Plenum Rated Corrugated Coax Cable with Blue FEP Jacket Superflexible SPP-250-LLPL](#)



## Low Loss SPP-250-LLPL Plenum Rated Corrugated Coax Cable with Blue FEP Jacket Superflexible

### RF Cables Technical Data Sheet


**TIMES**  
 An Amphenol Company

**SPP-250-LLPL**

#### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.45	1.9	2.3	4.9	5.8	GHz
Attenuation, Typ	3.8	8.1	9	13.5	14.8	dB/100ft
	12.47	26.57	29.53	44.29	48.56	dB/100m
Input Power (CW), Max	1,010	470	430	280	260	Watts

#### Mechanical Specifications

Diameter	0.28 in [7.11 mm]
Weight	0.072 lbs/ft [0.11 Kg/m]
Min. Bend Radius (Installation)	1.25 in [31.75 mm]
Bending Moment	0.8 lbs-ft [1.08 N-m]

#### Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strands	0.068 in [1.73 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.19 in [4.83 mm]
Outer Conductor	Copper Corrugated	0.25 in [6.35 mm]
Jacket	FEP, Blue	0.28 in [7.11 mm]

#### Environmental Specifications

Temperature	
Operating 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: [Low Loss SPP-250-LLPL Plenum Rated Corrugated Coax Cable with Blue FEP Jacket Superflexible SPP-250-LLPL](#)



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### RF Cables Technical Data Sheet

**T**  
**TIMES**  
An Amphenol Company

**SPP-250-LLPL**

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

#### Plotted and Other Data

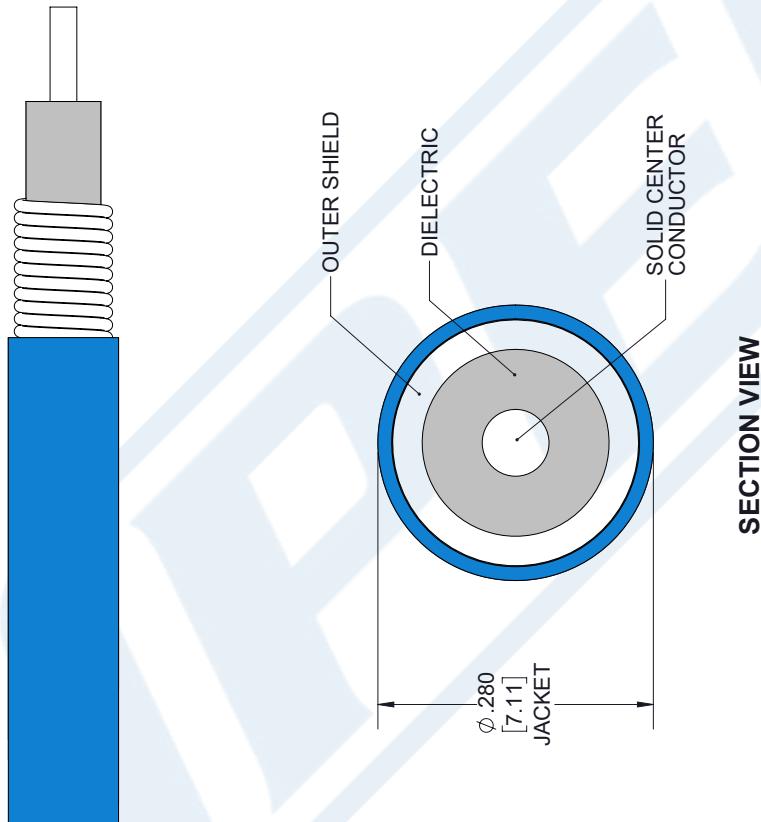
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URL: <https://www.pasternack.com/low-loss-corrugated-spp250llpl-fep-jacket-spp-250-llpl-p.aspx>

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ONLY TO DIMENSIONS IN INCHES



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DWG TITLE	CAGE CODE	CAD FILE	SCALE	SIZE
SPP-250-LLPL	53919	022118	N/A	A

NOTES:  
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