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20KV Female Bulkhead Mount Connector Crimp/Solder Attachment for RG213

RF Connectors Technical Data Sheet

PE45843

Configuration

- 20KV Female Connector
- MIL-STD-202
- Straight Body Geometry
- Connector Interface Types: RG213
- Bulkhead

Features

- Gold over nickel over copper Plated Beryllium Copper Contact
- IP67
- High Density PE Insulator

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies
- High Voltage Pulsed RF Transmission

Description

Pasternack's PE45843 20kV high voltage coaxial connector is part of our series of High Voltage coaxial interconnects. This high voltage connector minimizes the risk of electric shock due to its recessed contact design. Both cable connectors and bulkhead receptacles have recessed contacts to withstand unmated high voltage ratings. Additionally, the front mount receptacles in this family of connectors are hermetically sealed. Our 20 kV connectors operate up to maximum frequency of 300 MHz and offers good insulation resistance of 1000MOhm.These connectors allow designers to create external connections on product enclosures in a variety of high voltage transmission applications.

Our 20kV coaxial connector PE45843 has 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
Operating Voltage (DC)			20,000	Vdc
Test Voltage (DC)			30,000	Vdc
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	1,000			MOhms

Mechanical Specifications

Size

Length	3.48 in [88.39 mm]
Width/Dia.	0.93 in [23.62 mm]
Height	0.93 in [23.62 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 20KV Female Bulkhead Mount Connector Crimp/Solder Attachment for RG213 PE45843

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20KV Female Bulkhead Mount Connector Crimp/Solder Attachment for RG213

RF Connectors Technical Data Sheet

PE45843

Weight	0.2 lbs [90.72 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over nickel over copper
Contact Spring		Nickel over Copper
Insulation	PE (HD)	
Body	Brass	Nickel Over Copper
Coupling Nut	Brass	Nickel Over Copper
Gasket	Silicone	
Crimp Sleeve	Brass	Nickel over Copper
Washer	Brass	Nickel over Copper

Environmental Specifications

Temperature

Operating Range	-55 to +85 deg C
Ingress Protection (IP) Rating	IP67
Salt Spray	MIL-STD-202, Method 101, Condiiton B

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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RF Connectors
Technical Data Sheet

PE45843

Assembly Instruction

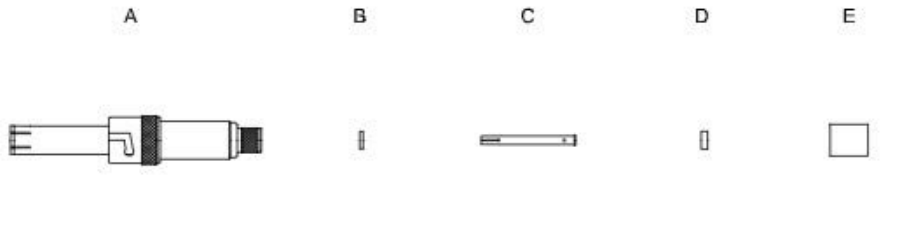
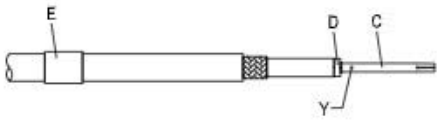
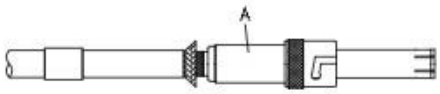
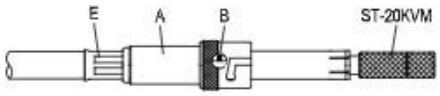


DIAGRAM	ASSEMBLY INSTRUCTION
	Step 1: STRIP AS SHOWN.
	Step 2: SLIDE FERRULE " E " OVER CABLE. Step 3: PUT GASKET " D " AND PIN " C " ON CENTER CONDUCTOR AND SOLDER IN " Y ". ※ GASKET MUST BE UNDER COMPRESSION AFTER SOLDERING IS COMPLETED.
	Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.
	Step 5: SLIDE FERRULE " E " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 10.7mm/0.421inch HEX SECTION OF INSERT-C) STEP 6: USE LOCATOR TOOL " ST-20KVM " TO INSTALL INTERFACE GASKET " B " OVER CONTACT PIN.

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 20KV Female Bulkhead Mount Connector Crimp/Solder Attachment for RG213 PE45843

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20KV Female Bulkhead Mount Connector Crimp/Solder Attachment for RG213

RF Connectors
Technical Data Sheet

PE45843

20KV Female Bulkhead Mount Connector Crimp/Solder Attachment for RG213 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: 20KV Female Bulkhead Mount Connector Crimp/Solder Attachment for RG213 PE45843

URL: https://www.pasternack.com/20kv-female-rg213-connector-pe45843-p.aspx

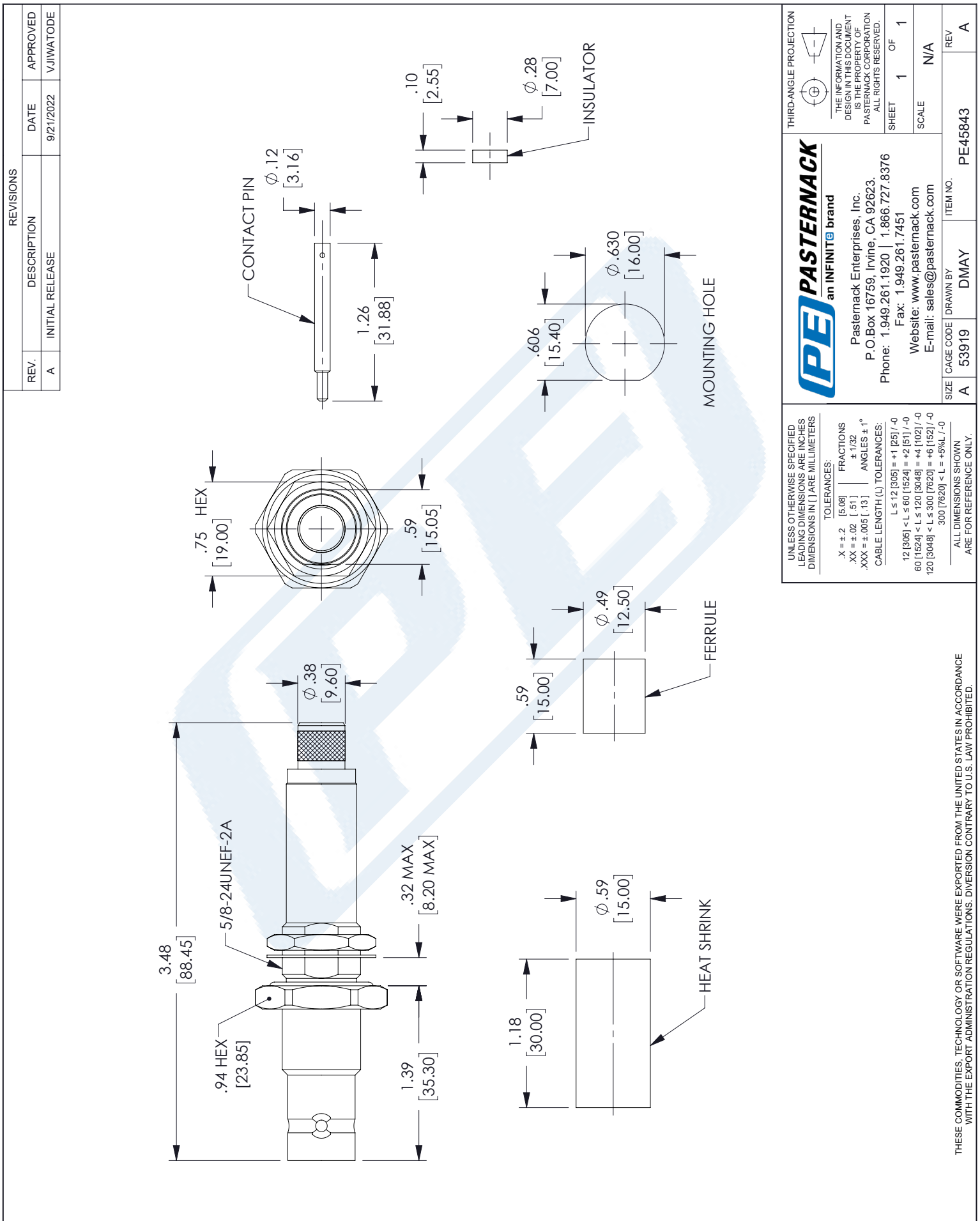
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PE45843 CAD Drawing

20KV Female Bulkhead Mount Connector Crimp/Solder Attachment for RG213



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C Male Right Angle Connector Crimp/Solder Attachment for PE-P195, PE-C195, RG58, RG141, RG303, 0.195 inch, LMR-195

RF Connectors Technical Data Sheet PE4959

Configuration

- C Male Connector
- MIL-STD-348
- 50 Ohms
- Right Angle Body Geometry
- PE-P195, PE-C195, RG58, RG141, RG303, 0.195 inch, LMR-195 Interface Type
- Crimp/Solder Attachment

Features

- Silver Plated Contact
- Contact plating according to QQ-S-365

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4959 type C male right angle connector with crimp/solder attachment for PE-P195, PE-C195, RG58, RG141, RG303, 0.195 inch and LMR-195 is part of our full line of RF components available for same-day shipping. Its right angle body geometry allows for easier connections in tight spaces.

Our type C male right angle connector PE4959 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

Size	
Length	1.975 in [50.17 mm]
Width/Dia.	0.75 in [19.05 mm]
Height	1.305 in [33.15 mm]
Weight	0.119 lbs [53.98 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: C Male Right Angle Connector Crimp/Solder Attachment for PE-P195, PE-C195, RG58, RG141, RG303, 0.195 inch, LMR-195 PE4959

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C Male Right Angle Connector Crimp/Solder Attachment for PE-P195, PE-C195, RG58, RG141, RG303, 0.195 inch, LMR-195

Material Specifications

Description	Material	Plating
Contact		Silver QQ-S-365
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel QQ-N-290

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

C Male Right Angle Connector Crimp/Solder Attachment for PE-P195, PE-C195, RG58, RG141, RG303, 0.195 inch, LMR-195 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave 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: C Male Right Angle Connector Crimp/Solder Attachment for PE-P195, PE-C195, RG58, RG141, RG303, 0.195 inch, LMR-195 PE4959

URL: https://www.pasternack.com/c-male-standard-rg58-connector-pe4959-p.aspx

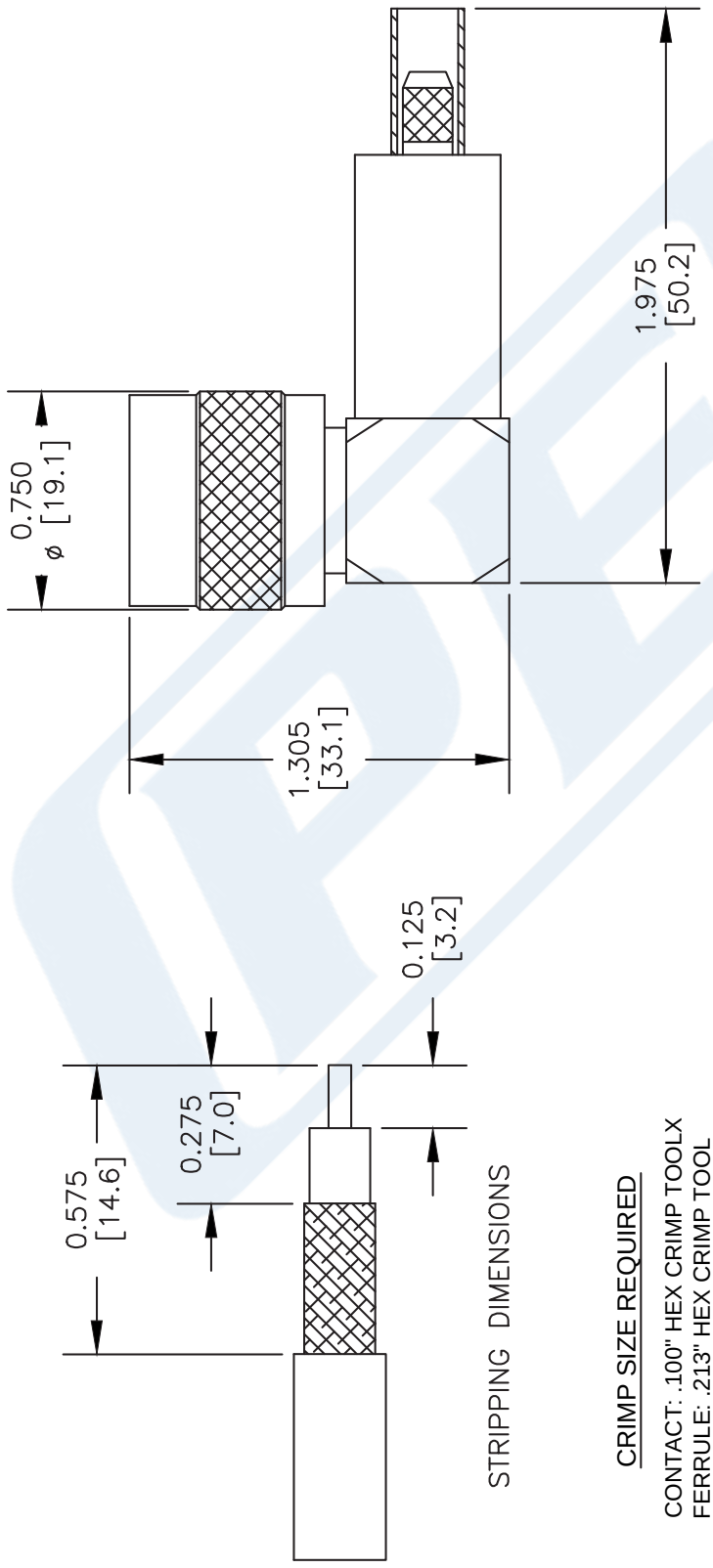
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PE4959 CAD Drawing

C Male Right Angle Connector Crimp/Solder Attachment for PE-P195, PE-C195, RG58, RG141, RG303, 0.195 inch, LMR-195



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.

CAD FILE	061402	SCALE N/A	SIZE A	XXXX

DWG TITLE: **PE4959**

FSCM NO. 53919

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Low Loss Flexible PE-P195 Coax Cable Triple Shielded with Tan FEP Jacket

RF Cables
Technical Data Sheet

PE-P195

Configuration

- Low Loss Flexible Cable
- 3 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		22	GHz
Impedance		50		Ohms
Velocity of Propagation		70		%
Operating Voltage (AC)			1,900	Vrms
Dielectric Withstanding Voltage (AC)			5,000	Vrms
Nominal Capacitance		29 [95.14]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.5	1	5	10	GHz
Attenuation, Typ	3.9	8.8	12.5	31.5	45	dB/100ft
	12.8	28.87	41.01	103.35	147.64	dB/100m

Description	F6	F7	F8	F9	F10	Units
Frequency	15	18	20	22		GHz
Attenuation, Typ	58	65	69	73		dB/100ft
	190.29	213.25	226.38	239.5		dB/100m

Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.038 lbs/ft [0.06 Kg/m]
Min. Bend Radius (Repeated)	1 in [25.4 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Low Loss Flexible PE-P195 Coax Cable Triple Shielded with Tan FEP Jacket PE-P195

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Low Loss Flexible PE-P195 Coax Cable Triple Shielded with Tan FEP Jacket

RF Cables
Technical Data Sheet

PE-P195

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 1 Strands	0.037 in [0.94 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.116 in [2.95 mm]
First Shield	Silver Plated Copper Braid 96% coverage	0.126 in [3.2 mm]
Second Shield	Aluminum Tape	0.132 in [3.35 mm]
Third Shield	Silver Plated Copper Braid 96% coverage	0.155 in [3.94 mm]
Jacket	FEP, Tan	0.195 in [4.95 mm]

Environmental Specifications

Temperature

Operating Range -55 to +200 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Low Loss Flexible PE-P195 Coax Cable Triple Shielded with Tan FEP Jacket 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: Low Loss Flexible PE-P195 Coax Cable Triple Shielded with Tan FEP Jacket PE-P195

URL: https://www.pasternack.com/precision-0.195-rg142-solid-center-conductor-52-ohm-coax-cable-fep-jacket-pe-p195-p.aspx

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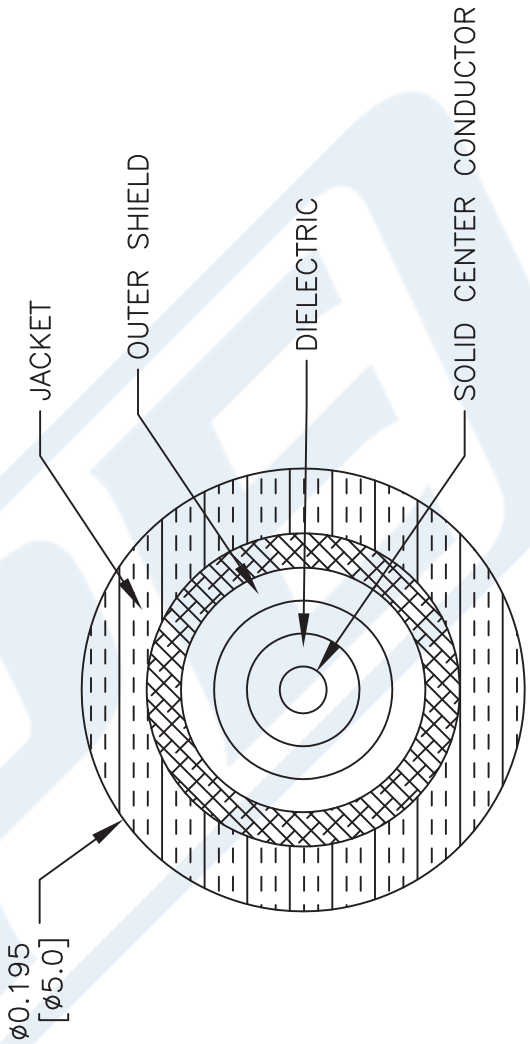
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PE-P195 CAD Drawing

Low Loss Flexible PE-P195 Coax Cable Triple Shielded with Tan FEP Jacket





NOTES:
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3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE **PE-P195**

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

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