

## 118 Semi-rigid Coax Cable with Copper Outer Conductor

### TECHNICAL DATA SHEET

PE-118SR

#### 118 Semi-rigid Coax Cable with Copper Outer Conductor

##### Configuration

Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE (LD)
Shield Materials	Copper
Jacket Material and Color	Tan

##### Electrical Specifications

Impedance, Ohms	50
Maximum Operating Frequency, GHz	46
Maximum Operating Voltage, Volts	3,000

##### Electrical Specifications by Frequency

###### Frequency 1

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	12.5 [41.01]
Power Handling, Watts	500

###### Frequency 2

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	42.5 [139.44]
Power Handling, Watts	144

###### Frequency 3

Frequency, GHz	20
Attenuation, dB/100ft [dB/100m]	62.5 [205.05]
Power Handling, Watts	96

##### Mechanical Specifications

###### Temperature

Operating Range, deg C	-55 to +200
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###### Inner Conductor

Number of Strands	1
Material	Copper
Plating	Silver
Diameter, in [mm]	0.032 [0.81]

###### Dielectric:

Type	PTFE (LD)
Diameter, in [mm]	0.097 [2.46]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [118 Semi-rigid Coax Cable with Copper Outer Conductor PE-118SR](#)

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.

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**Shield:**

Number of	1
Material 1	Copper
Diameter, in [mm]	0.118 [3]

**Jacket:**

Color	Tan
One Time Minimum Bend Radius, in [mm]	0.4 [10.16]
Weight, lbs/ft [Kg/m]	0.02 [0.03]

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)**Plotted and Other Data**

Notes: Values at 25 °C, sea level

118 Semi-rigid Coax Cable with Copper Outer Conductor 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.

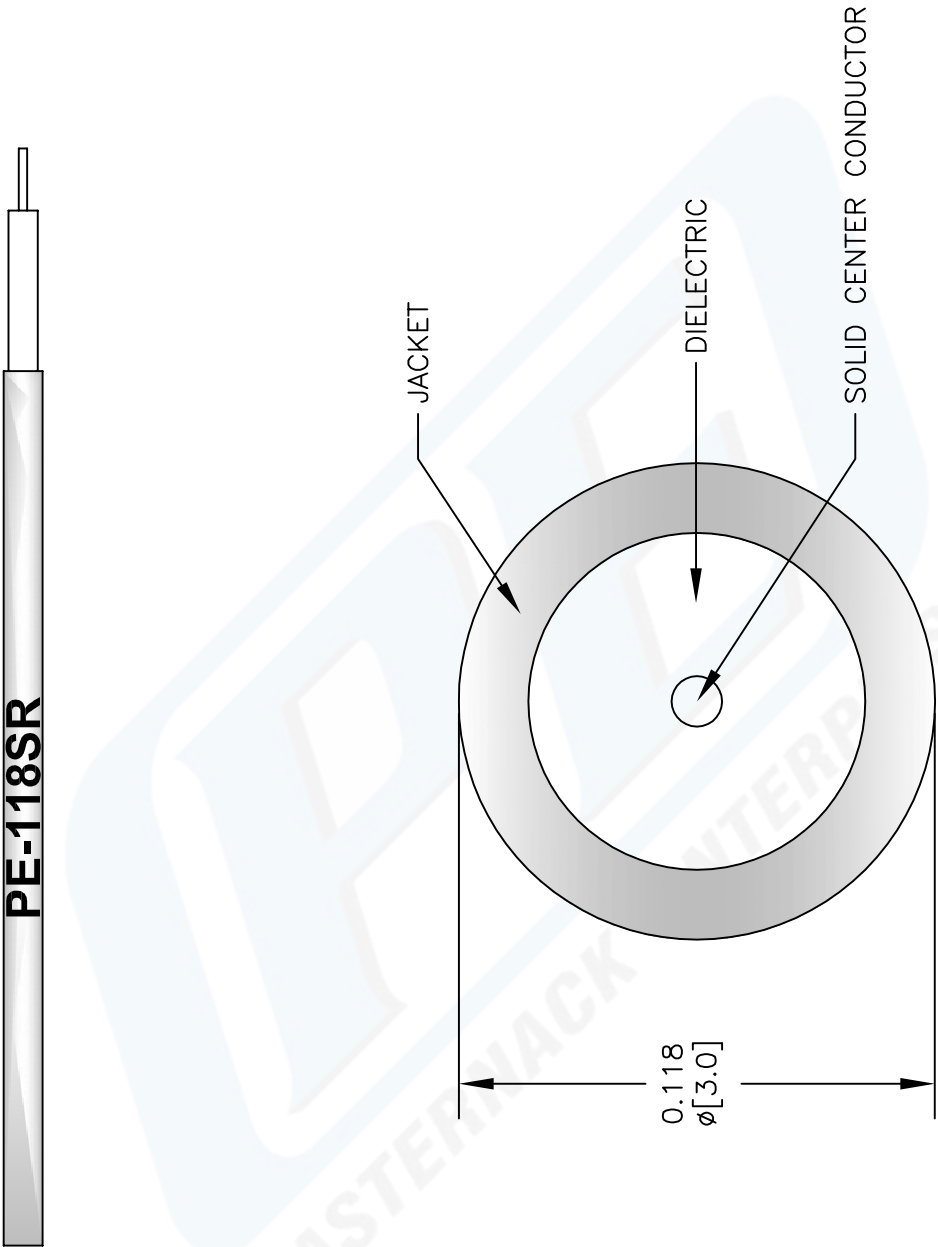
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URL: <http://www.pasternack.com/semirigid-0.118-50-ohm-coax-cable-copper-pe-118sr-p.aspx>

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PE-118SR CAD Drawing

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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].				SCALE	N/A	SIZE	A	147
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DWG TITLE		FSCM NO. 53919	
PE-118SR		REV. A	

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