



## 75 Ohm 141 Semi-rigid Coax Cable with Copper

### TECHNICAL DATA SHEET

### PE-SR402-75-STRAIGHT

#### 75 Ohm 141 Semi-rigid Coax Cable with Copper

##### Configuration

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Copper
Jacket Material and Color	Tan

##### Electrical Specifications

Impedance, Ohms	75
Maximum Operating Frequency, GHz	36

##### Electrical Specifications by Frequency

###### Frequency 1

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	12.5 [41.01]
Power Handling, Watts	280

###### Frequency 2

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	51 [167.32]
Power Handling, Watts	60

###### Frequency 3

Frequency, GHz	20
Attenuation, dB/100ft [dB/100m]	78 [255.91]
Power Handling, Watts	39

##### Mechanical Specifications

###### Temperature

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

Number of Strands	1
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.02 [0.51]

###### Dielectric:

Type	PTFE
Diameter, in [mm]	0.118 [3]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm 141 Semi-rigid Coax Cable with Copper PE-SR402-75-STRAIGHT](#)

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]	0.141 [3.58]

**Jacket:**

Color	Tan
Weight, lbs/ft [Kg/m]	0.033 [0.05]

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

RoHS Compliant	Yes
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**Plotted and Other Data**

Notes: Values at 25 °C, sea level

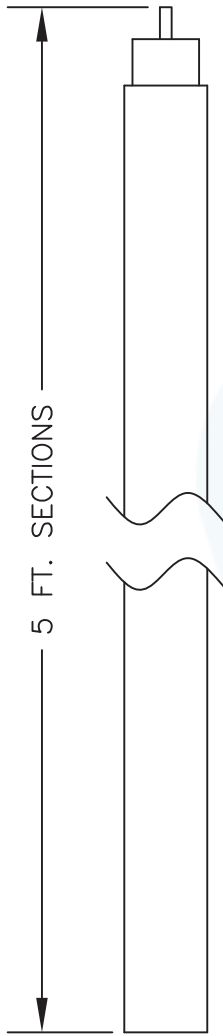
URL: <http://www.pasternack.com/75-ohm-semi-rigid-141-semi-rigid-copper-tan-pe-sr402-75-straight-p.aspx>

75 Ohm 141 Semi-rigid Coax Cable with Copper 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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# PE-SR402-75-STRAIGHT CAD Drawing

## 75 Ohm 141 Semi-rigid Coax Cable with Copper



IMPEDANCE: 75 OHMS  
 INNER CONDUCTOR DIAMETER: .0201"  
 INNER CONDUCTOR MATERIAL: SILVER COVERED COPPER CLAD STEEL  
 DIELECTRIC DIAMETER: .118"  
 DIELECTRIC MATERIAL: SOLID POLYTETRAFLUOROETHYLENE  
 OUTER DIAMETER: .141"  
 OUTER SHIELD: BARE COPPER TUBE  
 NOMINAL CAPACITANCE (p/ft): 19.3  
 OPERATING TEMPERATURE: - 55° TO + 200° C  
 MAX OPERATING VOLTAGE (VOLTS RMS): 2,500

### NOMINAL ATTENUATION ( PER 100 FEET )

1 GHZ	12.50 dB
10 GHZ	51.00 dB
20 GHZ	78.00 dB

### MAXIMUM POWER HANDLING ( AVERAGE POWER IN WATTS )

1 GHZ	280
10 GHZ	60
20 GHZ	39



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**COAXIAL & FIBER OPTICS**

DWG TITLE

**PE-SR402-75-STRAIGHT**

REV. B

FSCM NO. 53919

CAD FILE 062912

SCALE N/A

SIZE A

2233

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].