



## Formable 250 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

### TECHNICAL DATA SHEET

PE-SR401FL

#### Formable 250 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

##### Configuration

Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Shield Materials	Tinned Copper Braid

##### Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	69.5
Maximum Operating Frequency, GHz	18
Capacitance, pF/ft [pF/m]	29 [95.14]
Maximum Operating Voltage, Volts	3,500

##### Electrical Specifications by Frequency

###### Frequency 1

Frequency, MHz	500
Attenuation, dB/100ft [dB/100m]	5.2 [17.06]

###### Frequency 2

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	7.6 [24.93]

###### Frequency 3

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	19.2 [62.99]

###### Frequency 4

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	29.9 [98.1]

###### Frequency 5

Frequency, GHz	18
Attenuation, dB/100ft [dB/100m]	44.2 [145.01]

##### Mechanical Specifications

###### Temperature

Operating Range, deg C	-55 to +125
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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: [Formable 250 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR401FL](#)

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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#### Inner Conductor

Number of Strands	1
Material	Copper
Plating	Silver
Diameter, in [mm]	0.066 [1.68]

#### Dielectric:

Type	PTFE
Diameter, in [mm]	0.21 [5.33]

#### Shield:

Number of	1
Material 1	Tinned Copper Braid
Diameter, in [mm]	0.25 [6.35]

#### Jacket:

One Time Minimum Bend Radius, in [mm]	1.18 [29.97]
Repeated Minimum Bend Radius, in [mm]	4.7 [119.38]
Weight, lbs/ft [Kg/m]	0.088 [0.13]

#### 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
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Formable 250 Semi-rigid Coax Cable with Tinned Copper Braid 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.

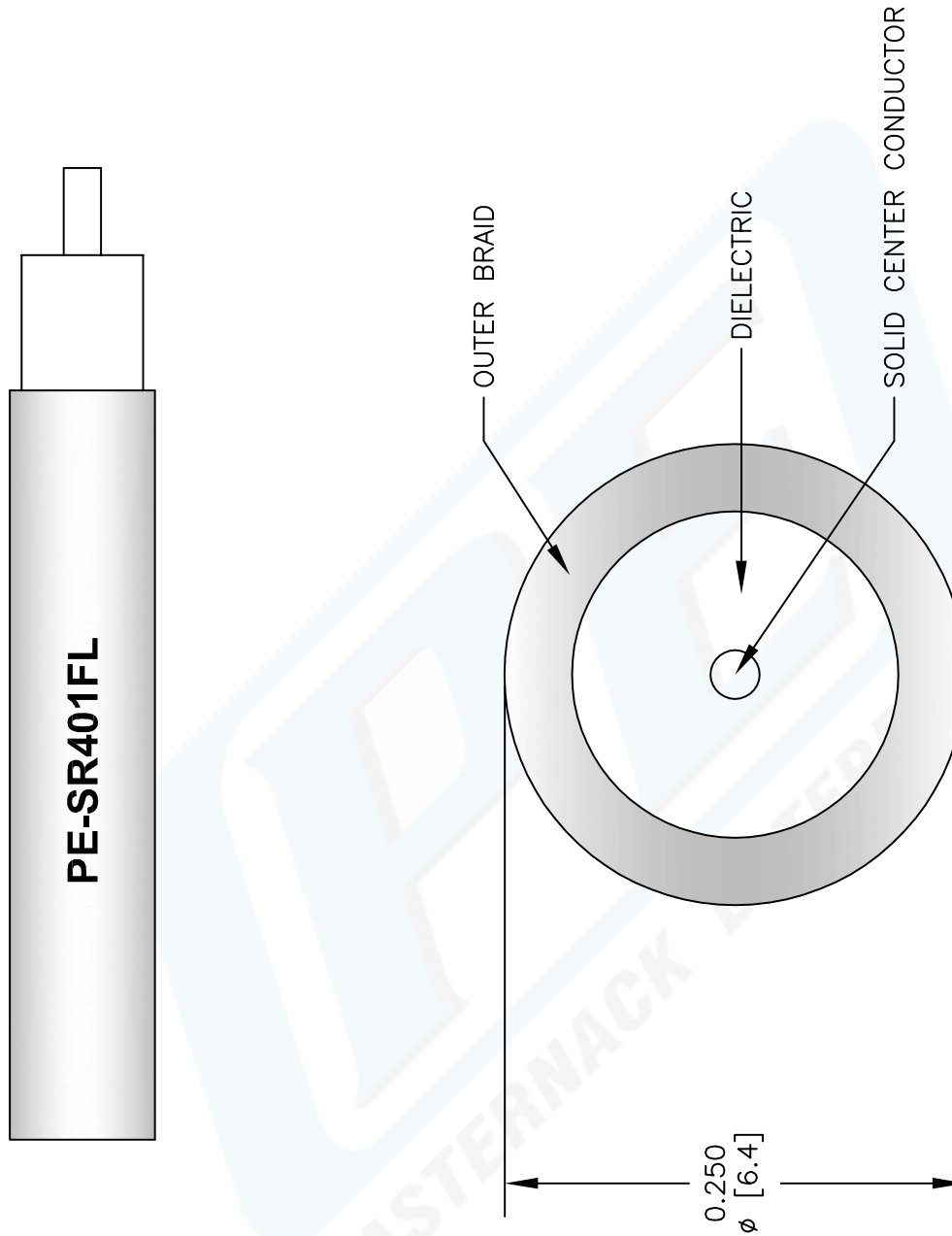
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URL: <http://www.pasternack.com/formable-0.250-semirigid-replacement-50-ohm-coax-cable-tinned-braid-pe-sr401fl-p.aspx>

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# PE-SR401FL CAD Drawing

Formable 250 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor



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

**PE-SR401FL**

REV. B

FSCM NO. 53919

CAD FILE 072408-B

SCALE N/A

SIZE A

147

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