

086 Semi-rigid Coax Cable with Tinned  
Aluminum Outer Conductor

TECHNICAL DATA SHEET

PE-SR405AL-STRAIGHT

086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

**Configuration**

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Tinned Aluminum

**Electrical Specifications**

Impedance, Ohms	50
Maximum Operating Frequency, GHz	40
Dielectric Withstanding Voltage, Vrms	5,000

**Electrical Specifications by Frequency**

**Frequency 1**

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	23 [75.46]
Power Handling, Watts	130

**Frequency 2**

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	81 [265.75]
Power Handling, Watts	35

**Frequency 3**

Frequency, GHz	20
Attenuation, dB/100ft [dB/100m]	131 [429.79]
Power Handling, Watts	20

**Mechanical Specifications**

**Temperature**

Operating Range, deg C	-55 to +125
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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]	0.066 [1.68]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor PE-SR405AL-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	Tinned Aluminum
Diameter, in [mm]	0.086 [2.18]

**Jacket:**

Weight, lbs/ft [Kg/m]	0.008 [0.01]
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**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

**Plotted and Other Data**

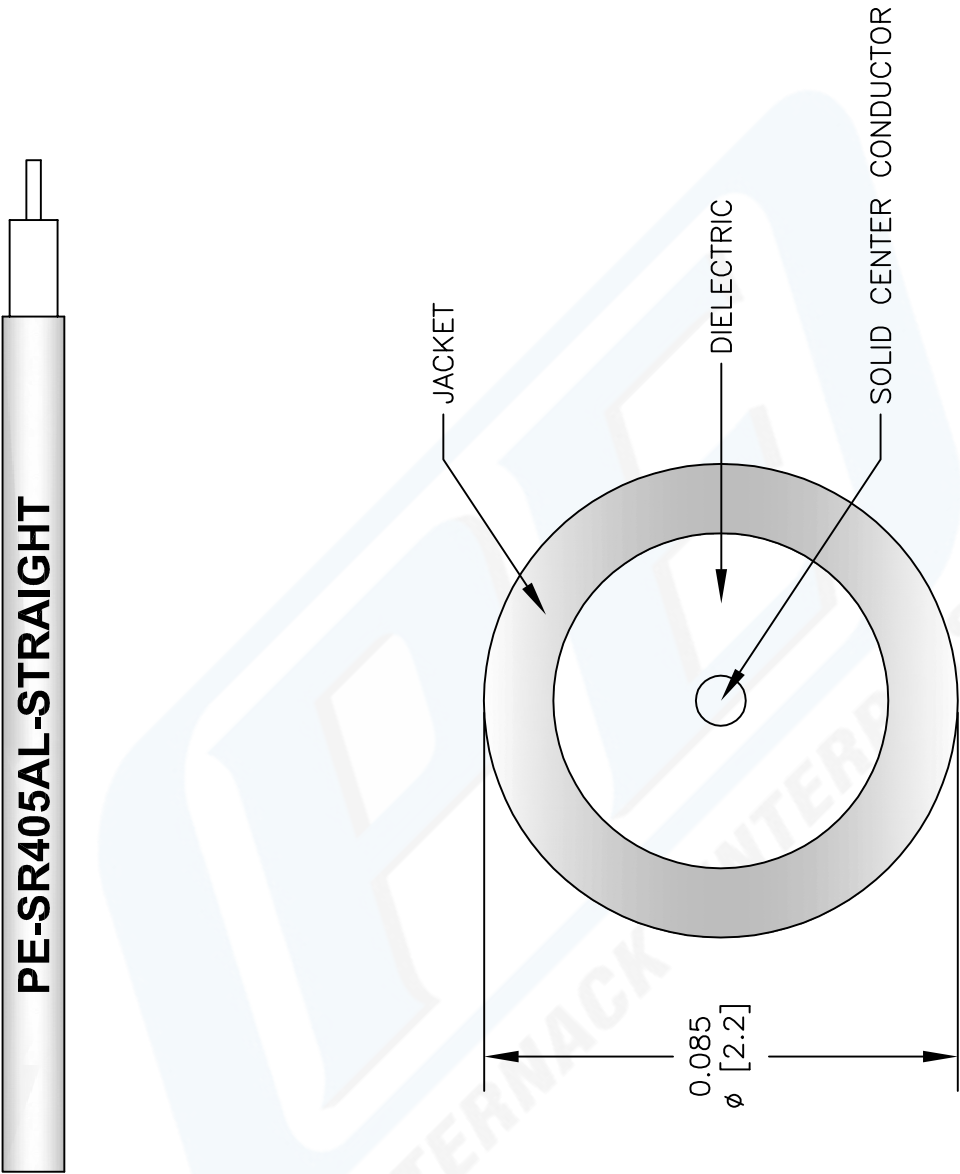
Notes: Values at 25 °C, sea level

086 Semi-rigid Coax Cable with Tinned Aluminum 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/50-ohm-semi-rigid-086-semi-rigid-tinned-aluminum-pe-sr405al-straight-p.aspx>

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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].

DWG TITLE  
**PE-SR405AL-STRAIGHT**

REV. A | FSCM NO. 53919

147

SIZE A

SCALE N/A

CAD FILE 022808-A

**PASTERNAK®**

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