## 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

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Frequency (MHz)</th>
<th>Attenuation, dB/100ft (dB/100m)</th>
<th>Power Handling, Watts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency 1</td>
<td>1000</td>
<td>23 [75.46]</td>
<td>130</td>
</tr>
<tr>
<td>Frequency 2</td>
<td>10</td>
<td>81 [265.75]</td>
<td>35</td>
</tr>
<tr>
<td>Frequency 3</td>
<td>20</td>
<td>131 [429.79]</td>
<td>20</td>
</tr>
</tbody>
</table>

### Mechanical Specifications
- **Temperature**: Operating Range, deg C
  - -55 to +125
- **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](http://www.pasternack.com/PE-SR405AL-STRAIGHT)
## TECHNICAL DATA SHEET

<table>
<thead>
<tr>
<th>Shield:</th>
<th>PE-SR405AL-STRAIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of</td>
<td>1</td>
</tr>
<tr>
<td>Material 1</td>
<td>Tinned Aluminum</td>
</tr>
<tr>
<td>Diameter, in [mm]</td>
<td>0.086 [2.18]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Jacket:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight, lbs/ft [Kg/m]</td>
<td>0.008 [0.01]</td>
</tr>
</tbody>
</table>

**Compliance Certifications** (visit 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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