**TECHNICAL DATA SHEET**

**RG402 Coax Cable with Copper Outer Conductor**

**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**: 50
- **Maximum Operating Frequency, GHz**: 36
- **Capacitance, pF/ft [pF/m]**: 29.9 [98.1]
- **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>12 [39.37]</td>
<td>450</td>
</tr>
<tr>
<td>Frequency 2</td>
<td>10</td>
<td>45 [147.64]</td>
<td>120</td>
</tr>
<tr>
<td>Frequency 3</td>
<td>20</td>
<td>70 [229.66]</td>
<td>70</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]**: 0.036 [0.91]

- **Dielectric**
  - **Type**: PTFE
  - **Diameter, in [mm]**: 0.117 [2.97]

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: **RG402 Coax Cable with Copper Outer Conductor RG402/U**

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.
<table>
<thead>
<tr>
<th><strong>Shield:</strong></th>
<th><strong>RG402/U</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Material 1 Diameter, in [mm]</td>
<td>1 Copper 0.141 [3.58]</td>
</tr>
<tr>
<td><strong>Jacket:</strong></td>
<td></td>
</tr>
<tr>
<td>Color One Time Minimum Bend Radius, in [mm] Weight, lbs/ft [Kg/m]</td>
<td>Tan 0.15 [3.81] 0.034 [0.05]</td>
</tr>
</tbody>
</table>

**Compliance Certifications** (visit www.Pasternack.com for current document)
RoHS Compliant
Yes

**Plotted and Other Data**
Notes: Values at 25 °C, sea level

RG402 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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