## Configuration
- **Inner Conductor Material and Plating**: Copper Clad Steel, Silver
- **Dielectric Type**: PTFE
- **Shield Materials**: Copper

## Electrical Specifications
- **Impedance, Ohms**: 50
- **Maximum Operating Frequency, GHz**: 40
- **Dielectric Withstanding Voltage, Vrms**: 2,000

### 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><strong>Frequency 1</strong></td>
<td>1000</td>
<td>40 [131.23]</td>
<td>32</td>
</tr>
<tr>
<td><strong>Frequency 2</strong></td>
<td>10</td>
<td>130 [426.51]</td>
<td>9</td>
</tr>
<tr>
<td><strong>Frequency 3</strong></td>
<td>20</td>
<td>190 [623.36]</td>
<td>6.5</td>
</tr>
</tbody>
</table>

## Mechanical Specifications
- **Temperature**
  - **Operating Range, deg C**: -55 to +100
- **Inner Conductor**
  - **Number of Strands**: 1
  - **Material**: Copper Clad Steel
  - **Plating**: Silver
  - **Diameter, in [mm]**: 0.011 [0.28]
- **Dielectric**
  - **Type**: PTFE
  - **Diameter, in [mm]**: 0.037 [0.94]
- **Shield**
  - **Number of**: 1
  - **Material 1**: Copper
  - **Diameter, in [mm]**: 0.047 [1.19]

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 047 Semi-rigid Coax Cable with Copper Outer Conductor PE-047SR
047 Semi-rigid Coax Cable with Copper Outer Conductor

TECHNICAL DATA SHEET

**Jacket:**
- Diameter, in [mm] 0.047 [1.19]
- One Time Minimum Bend Radius, in [mm] 0.05 [1.27]
- Weight, lbs/ft [Kg/m] 0.005 [0.01]

**Compliance Certifications** (visit www.Pasternack.com for current document)
- RoHS Compliant
- REACH Compliant 12/19/2011

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

047 Semi-rigid Coax Cable with Copper Outer Conductor from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 047 Semi-rigid Coax Cable with Copper Outer Conductor PE-047SR


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. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.
PE-047SR Semi-rigid Coax Cable with Copper Outer Conductor

- Outer Conductor
- Dielectric
- Solid center conductor

Dimensions:
- Diameter: 0.047 [1.2]