M17/113-RG316 Flexible Coax Cable Tan FEP Jacket

**Electrical Specifications**

<table>
<thead>
<tr>
<th>Description</th>
<th>Min</th>
<th>Typ</th>
<th>Max</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>DC</td>
<td>3</td>
<td>3</td>
<td>GHz</td>
</tr>
<tr>
<td>Impedance</td>
<td>50</td>
<td></td>
<td></td>
<td>Ohms</td>
</tr>
<tr>
<td>Velocity of Propagation</td>
<td>69.5</td>
<td></td>
<td></td>
<td>%</td>
</tr>
<tr>
<td>Operating Voltage (AC)</td>
<td>1,200</td>
<td></td>
<td></td>
<td>Vrms</td>
</tr>
<tr>
<td>DWV (AC)</td>
<td>2,000</td>
<td></td>
<td></td>
<td>Vrms</td>
</tr>
<tr>
<td>Nominal Capacitance</td>
<td>32</td>
<td></td>
<td></td>
<td>pF/ft</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>[104.99] pF/m</td>
</tr>
</tbody>
</table>

**Performance by Frequency Band**

<table>
<thead>
<tr>
<th>Description</th>
<th>F1</th>
<th>F2</th>
<th>F3</th>
<th>F4</th>
<th>F5</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>0.05</td>
<td>0.1</td>
<td>0.4</td>
<td>1</td>
<td>3</td>
<td>GHz</td>
</tr>
<tr>
<td>Attenuation, Max</td>
<td>7.5</td>
<td>11</td>
<td>21</td>
<td>38</td>
<td>58</td>
<td>dB/100ft</td>
</tr>
<tr>
<td></td>
<td>24.61</td>
<td>36.09</td>
<td>68.9</td>
<td>124.67</td>
<td>190.29</td>
<td>dB/100m</td>
</tr>
</tbody>
</table>

**Mechanical Specifications**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter</td>
<td>0.098 in [2.49 mm]</td>
</tr>
<tr>
<td>Weight</td>
<td>0.011 lbs/ft [0.02 Kg/m]</td>
</tr>
<tr>
<td>Min. Bend Radius (Repeated)</td>
<td>0.5 in [12.7 mm]</td>
</tr>
</tbody>
</table>

**Construction Specifications**

<table>
<thead>
<tr>
<th>Description</th>
<th>Material and Plating</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inner Conductor</td>
<td>Copper Clad Steel, Silver, 7 Strands</td>
<td>0.02 in [0.51 mm]</td>
</tr>
<tr>
<td>Conductor Type</td>
<td>Stranded</td>
<td></td>
</tr>
<tr>
<td>Dielectric</td>
<td>PTFE</td>
<td>0.06 in [1.52 mm]</td>
</tr>
<tr>
<td>First Shield</td>
<td>Silver Plated Copper Braid</td>
<td>0.081 in [2.06 mm]</td>
</tr>
<tr>
<td>Jacket</td>
<td>FEP, Tan</td>
<td>0.098 in [2.49 mm]</td>
</tr>
</tbody>
</table>

**Environmental Specifications**

**Temperature**

Operating Range: -55 to +200 deg C

**Compliance Certifications** (see product page for current document)

**Plotted and Other Data**

Notes:
M17/113-RG316 Flexible Coax Cable Tan FEP Jacket from Fairview Microwave 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.

Click the following link to obtain additional part information: M17/113-RG316 Flexible Coax Cable Tan FEP Jacket M17/113-RG316


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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.
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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].