Cable Part Number: CSVS2d (DC ~ 33 GHz for 5G Network)

Construction:

<table>
<thead>
<tr>
<th>Part</th>
<th>Material</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Center Conductor</td>
<td>Silver Plated Copper [Solid]</td>
<td>Φ 1.12 [mm]  Φ 0.044 [inch]</td>
</tr>
<tr>
<td>2 Dielectric</td>
<td>Aeroflon® [Extruded]</td>
<td></td>
</tr>
<tr>
<td>3 1st / 2nd Shield</td>
<td>Silver Plated Copper</td>
<td></td>
</tr>
<tr>
<td>4 Jacket</td>
<td>High Temperature Resin</td>
<td>Φ 5.20 ± 0.1 [mm] Φ 0.204 ± 0.003 [inch]</td>
</tr>
</tbody>
</table>

Electrical & Mechanical specification:

- Operating Frequency: DC to 33 GHz
- Temperature: -50 °C ~ +135 °C
- Velocity of Propagation: 77% nominal
- Minimum Bend Radius: 25 mm / 0.98 inch
- Weight [g/m]: 56
- Shielding Effectiveness: < -90 dB
- Phase Stability vs. Flexure: 10° max. @33GHz
- Loss Stability vs. Flexure: Δ 0.1dB to 33GHz
- Available Connector: HF SMA
- Raw Cable Insertion Loss [25°C, at Sea Level]:
  - 1 GHz: -0.31 [dB/m], -0.095 [dB/FT]
  - 3 GHz: -0.55 [dB/m], -0.168 [dB/FT]
  - 6 GHz: -0.67 [dB/m], -0.204 [dB/FT]
  - 12 GHz: -1.05 [dB/m], -0.320 [dB/FT]
  - 18 GHz: -1.30 [dB/m], -0.396 [dB/FT]
  - 28 GHz: -1.70 [dB/m], -0.518 [dB/FT]
  - 33 GHz: -1.85 [dB/m], -0.564 [dB/FT]
- Average Power Rating [CW, 25°C, at Sea Level]:
  - 1 GHz: 561 [Watt]
  - 3 GHz: 324 [Watt]
  - 6 GHz: 229 [Watt]
  - 12 GHz: 162 [Watt]
  - 18 GHz: 133 [Watt]
  - 28 GHz: 106 [Watt]
  - 33 GHz: 98 [Watt]