K Series K501-240

Silver Plated Round Braid
Silver Plated Foil
Silver Plated Copper Conductor
Expanded PTFE

Jacket Options:
- High Temp, ETEF (-65C / +165C)
- Outdoor, Polyurethane (-65C / +85C)

Electrical Properties (Cable Only)

- Impedance (ohms): 50
- Velocity of Propagation (%): 85%
- Min. Shielding Effectiveness (dB): 100
- Phase vs. Flexure: Figure 3
- Phase vs. Temperature: Figure 4
- Min. Breakdown Voltage (KV): 7
- Capacitance (pF/m): 24
- Inductance (nH/ft): 61
- Max Operating Freq (GHz): 40.0
- Max Structural VSWR: 1.25:1

Physical Properties (Cable Only)

- Maximum Temperature (deg C): -65 / +200
- Recommended Temperature (deg C): -65 / +165
- Outdoor Jacket Option (in): 0.182
- High Temp. Jacket Option (in): 0.172
- Round Braid O.D. (in): 0.154
- Helical Foil O.D. (in): 0.116
- Dielectric O.D. (in): 0.109
- Solid Center Conductor (in): 0.040
- Inside Min. Bend Radius (in): 0.0
- Flexure Life (3x min bend radius): >1,000
- Connector Retention (lbs): >TBD
- Axial Torque Resistance (lb-in): >TBD
- Weight (lbs/ft): 0.034
- Crush Resistance (lbs/ft): >TBD
- Kink Resistance (lbs): >TBD

Attenuation (dB/100ft) @ 25 deg C

<table>
<thead>
<tr>
<th>Frequency (GHz)</th>
<th>db/100 ft</th>
<th>K Watts</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5</td>
<td>6.45</td>
<td>2.11</td>
</tr>
<tr>
<td>1.0</td>
<td>9.21</td>
<td>1.48</td>
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<tr>
<td>3.0</td>
<td>16.35</td>
<td>0.83</td>
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<td>6.0</td>
<td>23.66</td>
<td>0.58</td>
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<td>12.0</td>
<td>34.55</td>
<td>0.39</td>
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<tr>
<td>18.0</td>
<td>43.34</td>
<td>0.31</td>
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<tr>
<td>25.0</td>
<td>53.44</td>
<td>0.25</td>
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<td>32.0</td>
<td>60.27</td>
<td>0.22</td>
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<td>40.0</td>
<td>68.69</td>
<td>0.20</td>
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<tr>
<td>K1</td>
<td>8.90</td>
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<tr>
<td>K2</td>
<td>0.31</td>
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</tr>
</tbody>
</table>

(000 Series cable series are constructed in accordance with MIL-DTL-17)

- Center Conductor: Silver Plated Copper per ASTM B296
- Dielectric: Type F per ASTM D4894 or D4895, Semisolid PTFE (proprietary)
- Primary Shield: Silver Plated Copper per ASTM B296
- Secondary Shield: Silver Plated Copper per ASTM B298
- High Temp Jacket: Type X per ASTM D3169, ETFE [Flame Resistance & Smoke = UL94 V-0]
- Outdoor Jacket: Type X Polyurethane (optional)
  [Zero Halogen, Flame Resistance & Smoke = UL94 V-0]