## RF Flexible Low Loss Coaxial Cable – 50 Ohms

### Specifications

#### Impedance
- 50 Ohms

#### Foamed Polyethylene Dielectric

#### 100% Bonded Aluminum Foil

#### Tinned Copper Braid – CuSn

#### Foot Markings

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Low Loss 195</th>
<th>Low Loss 240-FLEX</th>
<th>Low Loss 400</th>
<th>Low Loss 400-FLEX</th>
<th>Low Loss 600</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKU</td>
<td>LL195-BTF</td>
<td>LL240-FLEX-BTF</td>
<td>LL400-BTF</td>
<td>LL400-FLEX-BTF</td>
<td>LL600-BTF</td>
</tr>
<tr>
<td>SKU 500’ Reel</td>
<td>N/A</td>
<td>N/A</td>
<td>LL400-B500</td>
<td>LL400-FLEX-B500</td>
<td>LL600-B500</td>
</tr>
<tr>
<td>SKU 1000’ Reel</td>
<td>LL195-B1000</td>
<td>LL240-FLEX-B1000</td>
<td>LL400-B1000</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>SKU Assembly</td>
<td>CA-195-C1-C2-L</td>
<td>CA-240F-C1-C2-L</td>
<td>CA-400-C1-C2-L</td>
<td>CA-400F-C1-C2-L</td>
<td>CA-600-C1-C2-L</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Center Conductor Ø inches</th>
<th>0.037” Solid BC</th>
<th>19 x 0.011” BCSW</th>
<th>0.108” Solid CCA</th>
<th>7 x 0.038” BCSW</th>
<th>0.18” Solid CCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insulation Ø inches</td>
<td>0.110” FPE</td>
<td>0.154” FPE</td>
<td>0.285” FPE</td>
<td>0.285” FPE</td>
<td>0.46” FPE</td>
</tr>
<tr>
<td>1st Shielding</td>
<td>Bonded Alum Foil</td>
<td>Bonded Alum Foil</td>
<td>Bonded Alum Foil</td>
<td>Bonded Alum Foil</td>
<td>Bonded Alum Foil</td>
</tr>
<tr>
<td>Outer Braid</td>
<td>Tinned Copper Braid</td>
<td>Tinned Copper Braid</td>
<td>Tinned Copper Braid</td>
<td>Tinned Copper Braid</td>
<td>Tinned Copper Braid</td>
</tr>
<tr>
<td>Outer Jacket Ø inches</td>
<td>0.195” PE</td>
<td>0.242” PE</td>
<td>.405” PE</td>
<td>.405” TPE</td>
<td>0.59” PE</td>
</tr>
<tr>
<td>Bending Radius (Installation) inches</td>
<td>1/2”</td>
<td>1/2”</td>
<td>1”</td>
<td>1”</td>
<td>1 1/2”</td>
</tr>
<tr>
<td>Bending Radius (Repeated) inches</td>
<td>2”</td>
<td>2”</td>
<td>4”</td>
<td>4”</td>
<td>6”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Attenuation (Avg Power)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attenuation : dB/100ft</td>
</tr>
<tr>
<td>27 Mhz</td>
</tr>
<tr>
<td>30 Mhz</td>
</tr>
<tr>
<td>50 Mhz</td>
</tr>
<tr>
<td>150 Mhz</td>
</tr>
<tr>
<td>220 Mhz</td>
</tr>
<tr>
<td>450 Mhz</td>
</tr>
<tr>
<td>900 Mhz</td>
</tr>
<tr>
<td>1500 Mhz</td>
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<tr>
<td>1600 Mhz</td>
</tr>
<tr>
<td>2000 Mhz</td>
</tr>
<tr>
<td>2500 Mhz</td>
</tr>
<tr>
<td>5800 Mhz</td>
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</table>

<table>
<thead>
<tr>
<th>Impedance Ω</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
</tr>
<tr>
<td>50</td>
</tr>
<tr>
<td>50</td>
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<tr>
<td>50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DC Resistance (Center) Ω/1000ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.6</td>
</tr>
<tr>
<td>6.4</td>
</tr>
<tr>
<td>1.39</td>
</tr>
<tr>
<td>1.07</td>
</tr>
<tr>
<td>0.53</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>DC Resistance (Outer) Ω/1000ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.9</td>
</tr>
<tr>
<td>4.1</td>
</tr>
<tr>
<td>1.65</td>
</tr>
<tr>
<td>1.65</td>
</tr>
<tr>
<td>1.2</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Dielectric Constant</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.6</td>
</tr>
<tr>
<td>1.5</td>
</tr>
<tr>
<td>1.38</td>
</tr>
<tr>
<td>1.38</td>
</tr>
<tr>
<td>1.32</td>
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<table>
<thead>
<tr>
<th>Velocity Factor %</th>
</tr>
</thead>
<tbody>
<tr>
<td>80%</td>
</tr>
<tr>
<td>84%</td>
</tr>
<tr>
<td>85%</td>
</tr>
<tr>
<td>85%</td>
</tr>
<tr>
<td>87%</td>
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</table>

<table>
<thead>
<tr>
<th>Capacitance pF/ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>25.4</td>
</tr>
<tr>
<td>24.38</td>
</tr>
<tr>
<td>23.9</td>
</tr>
<tr>
<td>23.9</td>
</tr>
<tr>
<td>23.4</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Life Expectancy Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>20+</td>
</tr>
<tr>
<td>20+</td>
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<tr>
<td>20+</td>
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<tr>
<td>20+</td>
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<td>20+</td>
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</table>

<table>
<thead>
<tr>
<th>Operating Temperature Range F</th>
</tr>
</thead>
<tbody>
<tr>
<td>-40 / +185</td>
</tr>
<tr>
<td>-40 / +185</td>
</tr>
<tr>
<td>-40 / +185</td>
</tr>
<tr>
<td>-40 / +185</td>
</tr>
</tbody>
</table>

| Direct Burial? | YES | YES | NO | YES |

KEY: BC=Bare Copper, CCA=Copper Clad Aluminum, BCSW=Bare Copper Stranded Wire, PE=Polyethylene, TPE=Thermoplastic Elastomer, FPE= Foam Polyethylene

Available in bulk by the foot and as professionally made cable assemblies with connectors installed. Visit http://www.jefatech.com