### Specifications
- Impedance: 50 ohms
- Foamed Polyethylene
- 100% Bonded Aluminum Foil
- Tinned Copper Braid - CuSn
- Flame-retardant PVC
- Polyethylene
- Meter markings

Options: FR-PVC & LSZH Sheath is available

#### Centre Conductor mm
- RL-100 Coax: 0.46 Solid BCCS
- RL-240 Coax: 1.42 Solid BC
- RL-400 Coax: 2.74 Solid CCA

#### Insulation mm
- RL-100 Coax: 1.52
- RL-240 Coax: 3.81
- RL-400 Coax: 7.24

#### 1st Shielding
- RL-100 Coax: Bonded Aluminum Foil
- RL-240 Coax: Bonded Aluminum Foil
- RL-400 Coax: Bonded Aluminum Foil

#### 1st Outer Conductor mm
- RL-100 Coax: 0.10 x 80 CuSn
- RL-240 Coax: 0.12 x 144 CuSn
- RL-400 Coax: 0.15 x 192 CuSn

#### Outer Jacket mm
- RL-100 Coax: 2.79
- RL-240 Coax: 6.1
- RL-400 Coax: 10.29

#### Min. Bending Radius mm
- RL-100 Coax: 6.4
- RL-240 Coax: 19.1
- RL-400 Coax: 25.4

#### Tensile Strength in KG
- RL-100 Coax: 6.8
- RL-240 Coax: 36.3
- RL-400 Coax: 72.5

### Low Loss Cable Attenuation (20°C, dB/100 m) (328.04 Feet of cable)

<table>
<thead>
<tr>
<th>Frequency (MHz)</th>
<th>RL-100 Coax (dB)</th>
<th>RL-240 Coax (dB)</th>
<th>RL-400 Coax (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>f = 30 MHz</td>
<td>12.90</td>
<td>4.40</td>
<td>2.20</td>
</tr>
<tr>
<td>f = 50 MHz</td>
<td>16.70</td>
<td>5.70</td>
<td>2.90</td>
</tr>
<tr>
<td>f = 100 MHz</td>
<td>23.80</td>
<td>8.20</td>
<td>4.30</td>
</tr>
<tr>
<td>f = 150 MHz</td>
<td>29.40</td>
<td>9.90</td>
<td>5.00</td>
</tr>
<tr>
<td>f = 220 MHz</td>
<td>35.80</td>
<td>12.00</td>
<td>6.10</td>
</tr>
<tr>
<td>f = 450 MHz</td>
<td>51.90</td>
<td>17.30</td>
<td>8.90</td>
</tr>
<tr>
<td>f = 900 MHz</td>
<td>74.90</td>
<td>24.80</td>
<td>12.80</td>
</tr>
<tr>
<td>f = 1500 MHz</td>
<td>98.70</td>
<td>32.40</td>
<td>16.80</td>
</tr>
<tr>
<td>f = 1800 MHz</td>
<td>109.00</td>
<td>35.60</td>
<td>18.60</td>
</tr>
<tr>
<td>f = 2000 MHz</td>
<td>115.50</td>
<td>37.70</td>
<td>19.60</td>
</tr>
<tr>
<td>f = 2500 MHz *</td>
<td>130.60</td>
<td>42.40</td>
<td>22.20</td>
</tr>
<tr>
<td>f = 3000 MHz</td>
<td>143.80</td>
<td>47.10</td>
<td>25.00</td>
</tr>
</tbody>
</table>

*Loss Equation Example – RL-400 cable has a loss factor of 6.56 dB per 100 feet at 2.4 GHz, or .0656 dB per foot of cable used*