**Performance Data**

- **Capacitance:** 27 pF/ft (nominal)
- **Propagation Delay:** 1.30 ns/foot
- **Flex Cycles:** 80,000 cycles, 20-wide ribbon*
- **Current Rating:** Single conductor = 1.8 Amps**, 20 conductors = 0.7 Amps**
- **Shield DCR:** 111 Ω/1000 ft
- **CC DCR:** 258 Ω/1000 ft
- **Min. Bend Radius:** .125"
- **Availability:** Single, 2-35 ribbon, tape bonded
- **Temperature Rating:** -25 °C to 105 °C ***
- **Flammability Rating:** UL VW-1†
- **DWV Working Voltage:** 250 V‡

**Insertion Loss**

<table>
<thead>
<tr>
<th>Distance</th>
<th>0.25 m</th>
<th>1 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>-3 dB</td>
<td>12 GHz</td>
<td>2 GHz</td>
</tr>
<tr>
<td>-7 dB</td>
<td>&gt;20 GHz</td>
<td>6.5 GHz</td>
</tr>
</tbody>
</table>

*Test Conditions – 8 oz. weight, dia 1/4" mandrel, +/-90 bend X2
**Rating – 30 °C Temperature Rise, 20% de-rated
***Test Conditions – Heat Shock/Cold Bend per UL1581, wire wrap 1/4" mandrel, visual inspection
†BBCX-3450F-XX has undergone UL VW-1 Research Testing and complies with UL 758.
‡Test Conditions – IR/DWV/Thermal Shock/Humidity per EIA-364-20, 21, 31 and 32

**Insertion Loss and Return Loss Graphs**

IL and RL data are typical. Results may vary.