**50 Ω, 38 AWG MICRO COAX CABLE**

**Jacket:** PVC
Ø .0257 (0.663)

**Shield:** 46 AWG Serve
Ø .0160 (0.406)

**Dielectric:** FEP
Ø .0129 (0.328)

**Signal Conductor:** Silver Plated Alloy
38 AWG Ø .0046 (0.117)

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**PERFORMANCE DATA**

- **Capacitance:** 30 pF/ft (nominal)
- **Propagation Delay:** 1.46 ns/foot
- **Flex Cycles:** 80,000 cycles, 20-wide ribbon*
  Single conductor = 1.3 Amps**
- **Current Rating:** 20 conductors = 0.4 Amps**
- **Shield DCR:** 156 Ω/1000 ft
- **CC DCR:** 817 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:** 219 V‡

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**INSERTION LOSS AND RETURN LOSS GRAPHS**

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**Insertion Loss**

<table>
<thead>
<tr>
<th>Frequency (Hz)</th>
<th>0.25 m</th>
<th>1 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>-3 dB</td>
<td>6.6 GHz</td>
<td>0.7 GHz</td>
</tr>
<tr>
<td>-7 dB</td>
<td>19.7 GHz</td>
<td>3.5 GHz</td>
</tr>
</tbody>
</table>

* Test Conditions – 8 oz. weight, dia 1/4" mandrel, +/-90 bend X2
*** Test Conditions – Heat Shock/Cold Bend per UL1581, wire wrap 1/4" mandrel, visual inspection
CX-3850-SLD-XX-X has undergone UL VW-1 Research Testing and complies with UL 2556.
†Test Conditions – IR/DWV/Thermal Shock/Humidity per EIA-364-20, 21, 31 and 32

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**IL and RL data are typical. Results may vary.**