75 Ω, 38 AWG MICRO COAX CABLE

**PERFORMANCE DATA**

- **Capacitance:** 18 pF/ft (nominal)
- **Propagation Delay:** 1.31 ns/foot
- **Flex Cycles:** 350,000 cycles, 20-wide ribbon*
- **Current Rating:** Single conductor = 1.0 Amps**
  - 20 conductors = 0.4 Amps**
- **Shield DCR:** 105 Ω/1000 ft
- **CC DCR:** 817 Ω/1000 ft
- **Min. Bend Radius:** .125"
- **Availability:** Single, 2-3 ribbon, tape bonded
- **Temperature Rating:** -25 °C to 105 °C ***
- **Flammability Rating:** UL VW-1†
- **DWV Working Voltage:** 281 V‡

* Test Conditions – 8 oz. weight, dia 1/4" mandrel, +/-90 bend X2
** Rating – 30 °C Temperature Rise, 20% de-rated.

**Testing performed on 20-position ribbon.**

*** Test Conditions – Heat Shock/Cold Bend per UL1581,
wire wrap 1/4" mandrel, visual inspection

CX-3875F-01 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**

**Insertion Loss**

<table>
<thead>
<tr>
<th>Insertion Loss</th>
<th>0.25 m</th>
<th>1 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>-3 dB</td>
<td>13 GHz</td>
<td>2 GHz</td>
</tr>
<tr>
<td>-7 dB</td>
<td>&gt;20 GHz</td>
<td>10 GHz</td>
</tr>
</tbody>
</table>

**Jacket:** PVC
Ø .0389 (0.988)

**Shield:** 46 AWG Serve
Ø .0235 (0.597)

**Dielectric:** FEP Foam
Ø .0204 (0.518)

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

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