50 Ω, 38 AWG MICRO COAX CABLE

TCF-3850-XX-XX

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, UL VW-1 Tested ***
- DWV Working Voltage: 219 V†

<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>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
** Rating – 30 °C Temperature Rise, 20% de-rated.
*** Test Conditions – Heat Shock/Cold Bend per UL1581, wire wrap 1/4" mandrel, visual inspection
†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.