50 Ω, 38 AWG MICRO COAX CABLE HT

TCF-3850-XX-T01-TB

PERFORMANCE DATA
Capacitance: 31 pF/ft (nominal)
Propagation Delay: 1.46 ns/foot
Flex Cycles: 150,000 cycles, single*
Current Rating: Single conductor = 0.9 Amps**
Shield DCR: 163 Ω/1000 ft
CC DCR: 817 Ω/1000 ft
Min. Bend Radius: .125”
Availability: Single, 4-30 tape bonded
Temperature Rating: -40 °C to 140 °C ***
Flammability Rating: UL VW-1†
DWV Working Voltage: 201 V‡

Insertion Loss

<table>
<thead>
<tr>
<th>Test Conditions</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 – 1 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
†CX-3850-SLD-T01-L 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

TCF-3850-XX-T01-TB, .25m

TCF-3850-XX-T01-TB, 1m

IL and RL data are typical. Results may vary.