50 Ω, 34 AWG MICRO COAX CABLE

TCF-3450F-XX-XX

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, UL VW-1 Tested ***
DWV Working Voltage: 250 V†

Insertion Loss 0.25 m 1 m

<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>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
*** 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.