50 Ω, 36 AWG MICRO COAX CABLE HT

TCF-3650F-XX-TXX

PERFORMANCE DATA

Capacitance: 29 pF/ft (nominal)
Propagation Delay: 1.33 ns/foot
Flex Cycles: 40,000 cycles, 20-wide ribbon*
Current Rating: Single conductor = 1.5 Amps**
20 conductors = 0.5 Amps**
Shield DCR: 137 Ω/1000 ft
CC DCR: 451 Ω/1000 ft
Min. Bend Radius: .125"
Availability: Single, 2-31 ribbon, tape bonded
Temperature Rating: -40 °C to 125 °C, UL VW-1 Tested ***
DWV Working Voltage: 219 V†

Insertion Loss

<table>
<thead>
<tr>
<th></th>
<th>0.25 m</th>
<th>1 m</th>
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</thead>
<tbody>
<tr>
<td>-3 dB</td>
<td>8.5 GHz</td>
<td>1.1 GHz</td>
</tr>
<tr>
<td>-7 dB</td>
<td>&gt;20 GHz</td>
<td>5.2 GHz</td>
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</table>

* Test Conditions – 4 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 UL #1581-540 and #1581-580, 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.