PERFORMANCE DATA

Capacitance: 14 pF/ft (nominal)
Skew: 10 ps/m max within pairs
Propagation Delay: 1.46 ns/foot
Flex Cycles: 8,000 cycles, 4-wide ribbon*
Current Rating: Single conductor = 3.3 Amps**
16 conductors = 1.3 Amps**
Shield DCR: 80 Ω/1000 ft
CC DCR: 101 Ω/1000 ft
Min. Bend Radius: .125".
Availability: Single, 2-16 ribbon, tape bonded
Temperature Rating: -25 °C to 105 °C ***
Flammability Rating: UL VW-1†
DWV Working Voltage: 188 V‡

Insertion Loss 0.25 m 1 m

<table>
<thead>
<tr>
<th>Frequency (Hz)</th>
<th>.25m IL</th>
<th>.25m RL</th>
<th>1.0m IL</th>
<th>1.0m RL</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 GHz</td>
<td>-3 dB</td>
<td>5 GHz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt;20 GHz</td>
<td>-7 dB</td>
<td>17 GHz</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Test Conditions – 8 oz. weight, dia 7/8" mandrel, +/-90 bend X2
** Rating – 30 °C Temperature Rise, 20% de-rated.
*** Test Conditions – Heat Shock/Cold Soak per UL1581, wire wrap 1/4" mandrel, visual inspection
†TX-30100CU-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

IL and RL data are typical. Results may vary.