100 Ω, 30 AWG SOLID, CU MICRO TWINAX CABLE HT

**PERFORMANCE DATA**

- Capacitance: 13.9 pF/ft leg-to-leg (nominal)
- Skew: 3.5 ps/m max within pairs
- Propagation Delay: 1.45 ns/foot
- Flex Cycles: 2,500 cycles, single*
- Current Rating:
  - Single conductor = 2.6 Amps**
  - 2 conductors = 1.9 Amps**
- Shield DCR: 62 Ω/1000 ft
- CC DCR: 118 Ω/1000 ft
- Min. Bend Radius: .125"
- Availability: Single, tape bonded
- Temperature Rating: -40 °C to 140 °C ***
- Flammability Rating: UL VW-1†
- DWV Working Voltage: 219 V‡

**INSERTION LOSS AND RETURN LOSS GRAPHS**

<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>&gt; 30 GHz</td>
<td>6.4 GHz</td>
</tr>
<tr>
<td>-7 dB</td>
<td>&gt; 30 GHz</td>
<td>28.6 GHz</td>
</tr>
</tbody>
</table>

* Test Conditions – 4 oz. weight, dia 7/8" mandrel, +/-90 bend
** 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-T01-S 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

IL and RL data is typical. Results may vary.