**85 Ω, 30 AWG CU MICRO TWINAX CABLE**

**PERFORMANCE DATA**

- **Capacitance:** 17 pF/ft (nominal)
- **Skew:** 10 ps/m max within pairs
- **Propagation Delay:** 1.46 ns/foot
- **Flex Cycles:** 5,000 cycles, 8-wide ribbon*
- **Current Rating:** Single conductor = 3.3 Amps**
  
  16 conductors = 1.4 Amps**
- **Shield DCR:** 84 Ω/1000 ft
- **CC DCR:** 101 Ω/1000 ft
- **Min. Bend Radius:** .125"
- **Availability:** Single, 2-11 ribbon, tape bonded
- **Temperature Rating:** -25 °C to 105 °C ***
- **Flammability Rating:** UL VW-1†
- **DWV Working Voltage:** 188 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;20 GHz</td>
<td>5.2 GHz</td>
</tr>
<tr>
<td>-7 dB</td>
<td>&gt;20 GHz</td>
<td>&gt;20 GHz</td>
</tr>
</tbody>
</table>

* Test Conditions – 8 oz. weight, dia 7/8" mandrel, +/-90 bend X2
** Rating – 30 °C Temperature Rise, 20% de-rated.
  
  Testing performed on 8 position ribbon.
*** Test Conditions – Heat Shock/Cold Soak per UL1581,
  wire wrap 1/4" mandrel, visual inspection
†TX-3085CU-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

**Jacket:** PVC  
**R:** 0.027 (0.686)  
**Shield:** Aluminized Polyester Tape R .022 (0.555)  
**Shield:** Copper Foil R .021 (0.533)  
**Dielectric:** FEP R .020 (0.508)  
**Signal Conductors:** SPC  
30 AWG Ø .0118 (0.300)