92 Ω, 34 AWG SOLID, CU MICRO TWINAX CABLE HT

PERFORMANCE DATA
Capacitance: 15.3 pF/ft leg-to-leg (nominal)
Skew: 3.5 ps/m max within pairs
Propagation Delay: 1.45 ns/foot
Flex Cycles: 4,000 cycles, single* est.
Current Rating:
Single conductor: 1.5 Amps**
2 conductors: 1.1 Amps**
Shield DCR: 149 Ω/1000 ft
CC DCR: 317 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: 252 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>29.8 GHz</td>
<td>2.3 GHz</td>
</tr>
<tr>
<td>-7 dB</td>
<td>&gt; 32 GHz</td>
<td>11.5 GHz</td>
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</tbody>
</table>

* Test Conditions – 4 oz. weight, dia 7/8” mandrel, +/-90 bend X2
** Rating – 30 °C Temperature Rise, 20% de-rated.
*** Testing performed on single.
† Test Conditions – Heat Shock/Cold Soak per UL #1581,
wire wrap 7/8” mandrel, visual inspection
‡ Test Conditions – IR/DWV/Thermal Shock/Humidity
per EIA-364-20, 21, 31 and 32

INSERTION LOSS AND RETURN LOSS GRAPHS

Jacket: THV
R .018 (0.445)
Shield:
Alumined Polyester Tape
R .013 (0.314)
Shield: Copper Foil
R .012 (0.292)
Dielectric: PFA
R .011 (0.267)
Signal Conductors:
Silver Plated Alloy
34 AWG Ø .0063 (0.160)

TTF-3492CU-01-T01-S

.0142 (0.361)
0.037 (0.940)
.0500 (1.270)

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IL and RL data is typical. Results may vary.