100 Ω, 28 AWG SOLID, CU MICRO TWINAX CABLE HT

PERFORMANCE DATA
Capacitance: 14.1 pF/ft leg-to-leg (nominal)
Skew: 3.5 ps/m max within pairs
Propagation Delay: 1.45 ns/foot
Flex Cycles: 2,000 cycles, single*
Current Rating: Single conductor = 3.5 Amps**
2 conductors = 2.7 Amps**
Shield DCR: 63 Ω/1000 ft
CC DCR: 66 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: 376 V‡

Insertion Loss | 0.25 m | 1 m |
---|---|---|
-3 dB | >30 GHz | 8.8 GHz |
-7 dB | >30 GHz | >30 GHz |

* 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-28100CU-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

INSERTION LOSS AND RETURN LOSS GRAPHS§

§IL and RL data is typical. Results may vary.

TTF-28100CU-01-T01-S

Jacket: THV
Shield: Aluminized Polyester Tape
Shield: Copper Foil
Dielectric: FEP
Signal Conductors: Silver Plated Copper

28 AWG Ø .0126 (0.320)

1.0m IL
1.0m RL

0.25m IL
0.25m RL