100 Ω, 28 AWG SHIELDED TWISTED PAIR

PERFORMANCE DATA
Capacitance: 13.6 pF/ft (nominal)
Skew: 20 ps/m within pair MAX
Propagation Delay: 1.40 ns/foot
Flex Cycles: 300,000 cycles*
Current Rating: Single conductor = 4.1 Amps**
2 conductors = 2.8 Amps**
Shield DCR: 8.8 Ω/1000 ft
CC DCR: 68.6 Ω/1000 ft
Min. Bend Radius: .750"
Availability: Single
Temperature Rating: -20 °C to 105 °C***
Flammability Rating: UL VW-1†
DWV Working Voltage: 333 V‡

INSERTION LOSS AND RETURN LOSS GRAPHS§

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Insertion Loss | 0.25 m | 1 m
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-3 dB | 9.7 GHz | 3.3 GHz
-7 dB | >20 GHz | 9.2 GHz

* 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 Bend per UL #1581-540 and #1581-580, wire wrap 1/4" mandrel, visual inspection
†TPS-28100-RF 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 are typical. Results may vary.