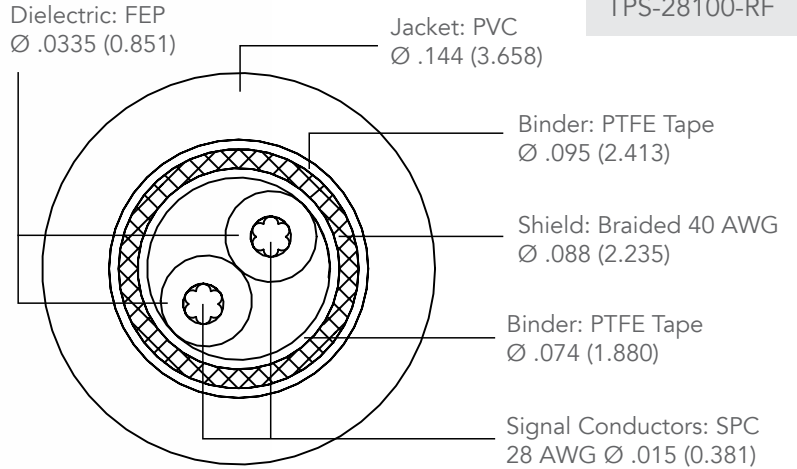


# 100 Ω, 28 AWG SHIELDED TWISTED PAIR

TPS-28100-RF



## 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***
DWV Working Voltage:	333 V†

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

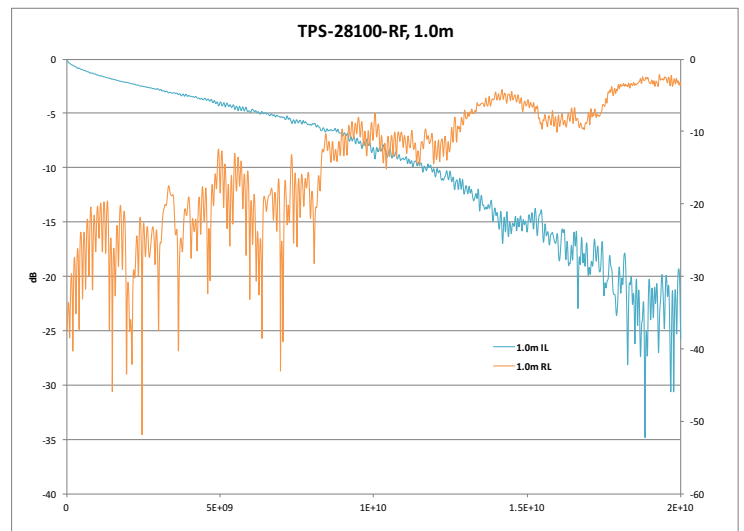
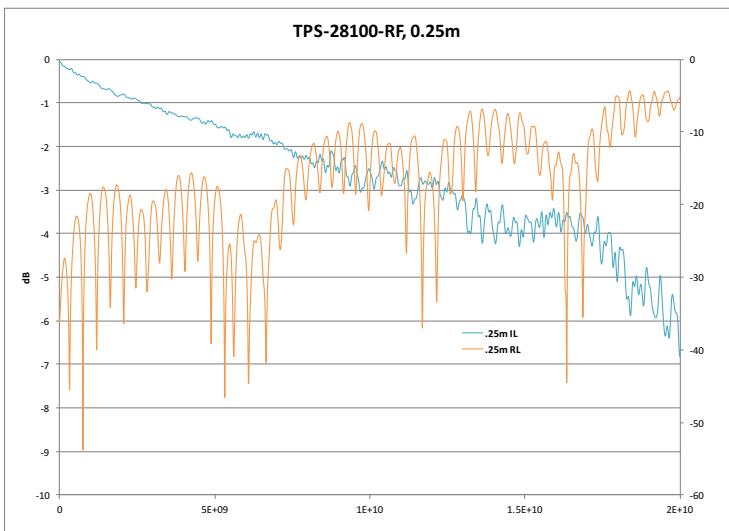
\* Test Conditions – 8 oz. weight, dia 7/8" mandrel, +/-90 bend X2

\*\* 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

†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 are typical. Results may vary.



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