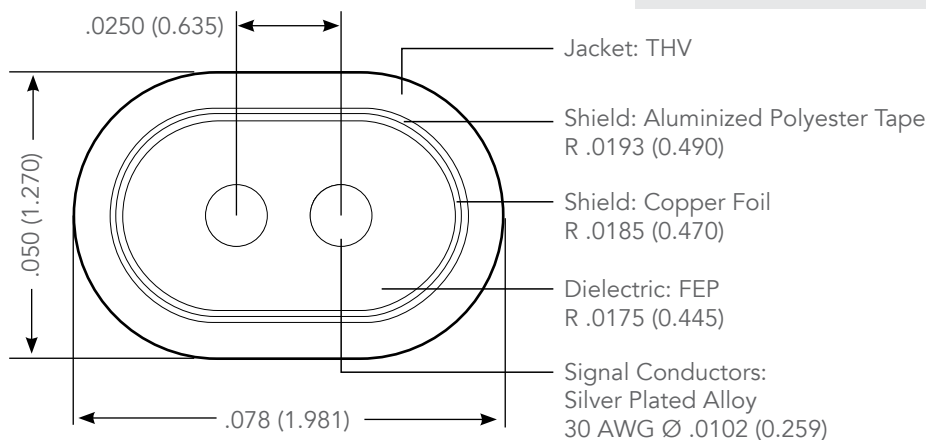
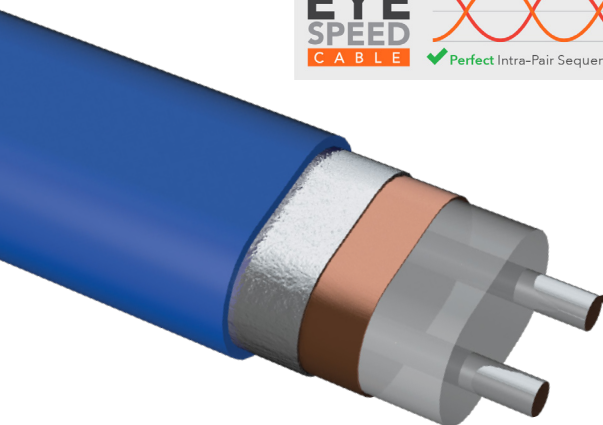


# 100 Ω, 30 AWG SOLID, CU MICRO TWINAX CABLE HT

TTF-30100CU-01-T01-S



## PERFORMANCE DATA

Capacitance:	13.9 pF/ft leg-to-leg (nominal)
Skew:	3.5 ps/m max within pairs
Propagation Delay:	1.45 ns/foot
Flex Cycles:	2,500 cycles, single*
Current Rating:	Single conductor = 2.6 Amps** 2 conductors = 1.9 Amps**
Shield DCR:	62 Ω/1000 ft
CC DCR:	118 Ω/1000 ft
Min. Bend Radius:	.125"
Availability:	Single, tape bonded
Temperature Rating:	-40 °C to 140 °C ***
Flammability Rating:	UL VW-1 <sup>†</sup>
DWV Working Voltage:	219 V <sup>‡</sup>

Insertion Loss	0.25 m	1 m
-3 dB	> 30 GHz	6.4 GHz
-7 dB	> 30 GHz	28.6 GHz

\* Test Conditions – 4 oz. weight, dia 7/8" mandrel, +/-90 bend

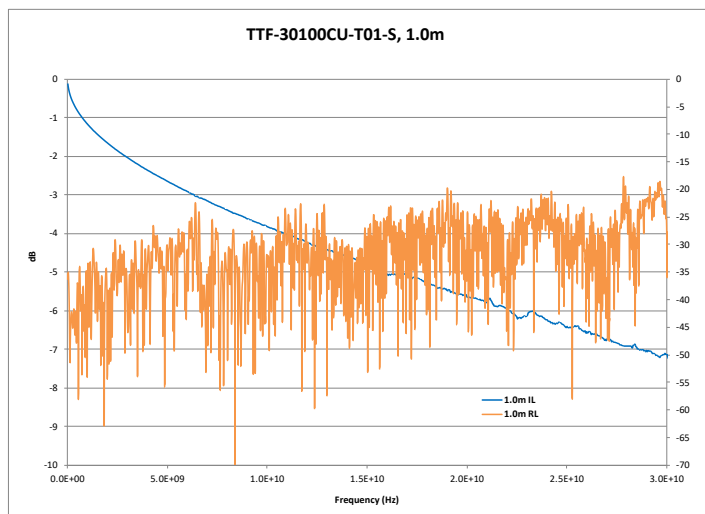
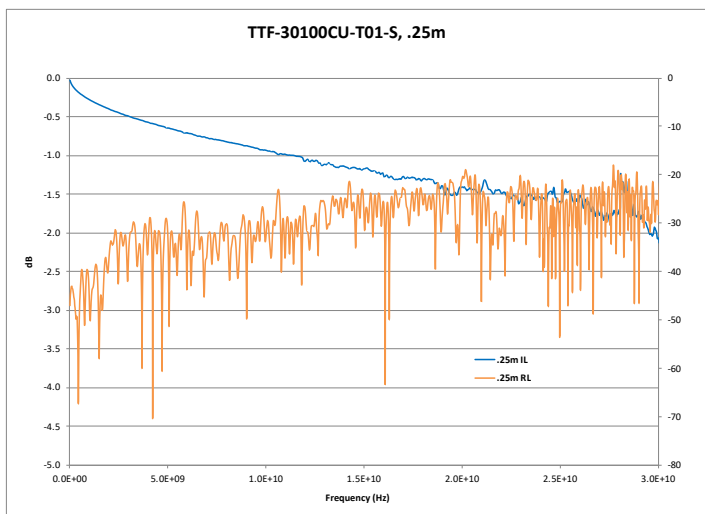
\*\*Rating – 30 °C Temperature Rise, 20% de-rated.

\*\*\*Test Conditions – Heat Shock/Cold Soak per UL1581, wire wrap 1/4" mandrel, visual inspection

<sup>†</sup>TX-30100CU-T01-S has undergone UL VW-1 Research Testing and complies with UL 758.

<sup>‡</sup>Test Conditions – IR/DWV/Thermal Shock/Humidity per EIA-364-20, 21, 31 and 32

## INSERTION LOSS AND RETURN LOSS GRAPHS<sup>§</sup>



<sup>§</sup>IL and RL data is typical. Results may vary.



1.800.SAMTEC.9 • HDR@samtec.com

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