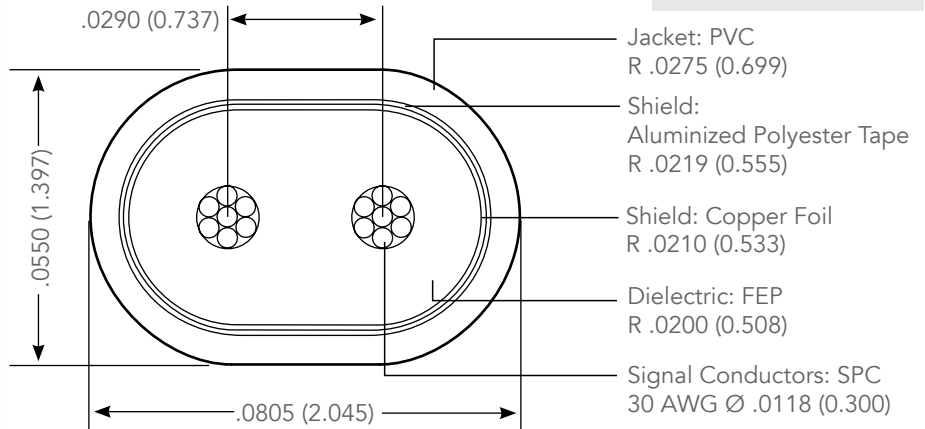
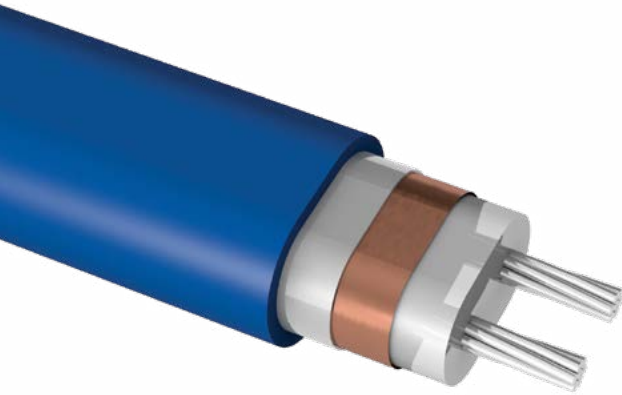


# 100 Ω, 30 AWG CU MICRO TWINAX CABLE

TTF-30100CU-XX-XX



## PERFORMANCE DATA

Capacitance:	14 pF/ft (nominal)
Skew:	10 ps/m max within pairs
Propagation Delay:	1.46 ns/foot
Flex Cycles:	8,000 cycles, 4-wide ribbon*
Current Rating:	Single conductor = 3.3 Amps** 16 conductors = 1.3 Amps**
Shield DCR:	80 Ω/1000 ft
CC DCR:	101 Ω/1000 ft
Min. Bend Radius:	.125"
Availability:	Single, 2-16 ribbon, tape bonded
Temperature Rating:	-25 °C to 105 °C, UL VW-1 Tested ***
DWV Working Voltage:	188 V†

Insertion Loss	0.25 m	1 m
-3 dB	18 GHz	5 GHz
-7 dB	>20 GHz	17 GHz

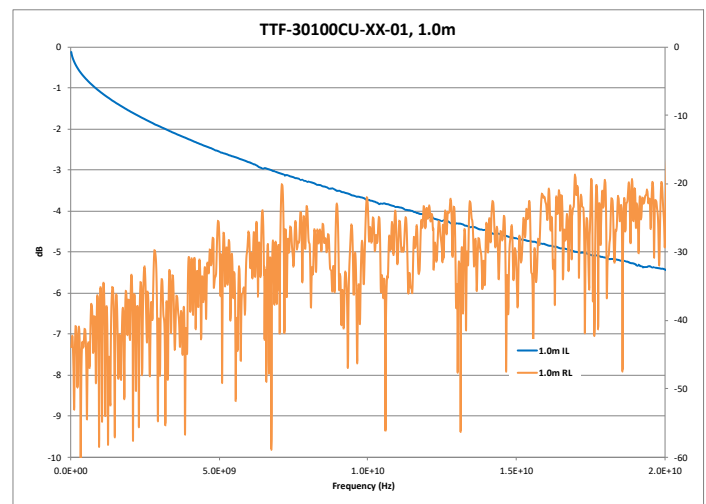
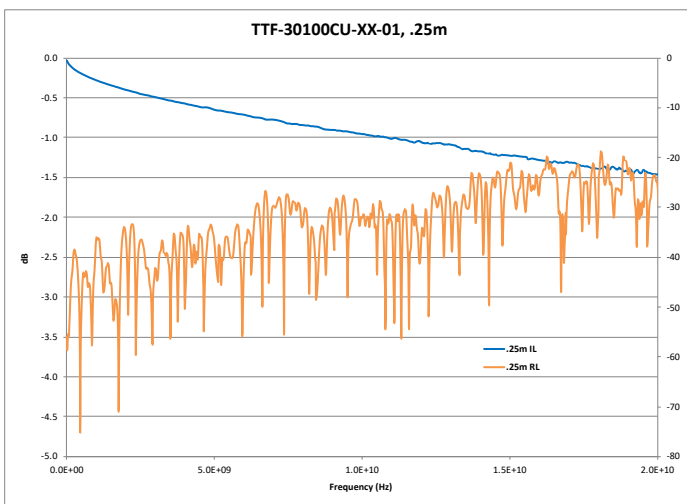
\* Test Conditions – 8 oz. weight, dia 7/8" mandrel, +/-90 bend X2

\*\* Rating – 30 °C Temperature Rise, 20% de-rated. Testing performed on 8-position ribbon.

\*\*\* Test Conditions – Heat Shock/Cold Soak per UL1581, 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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