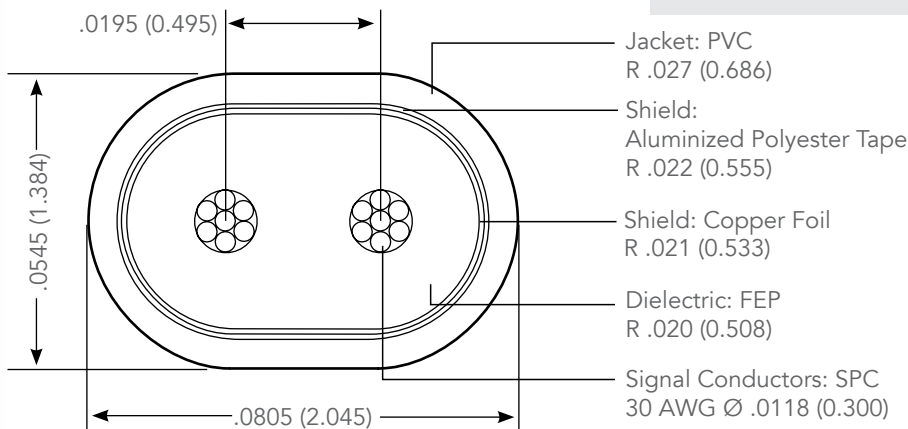
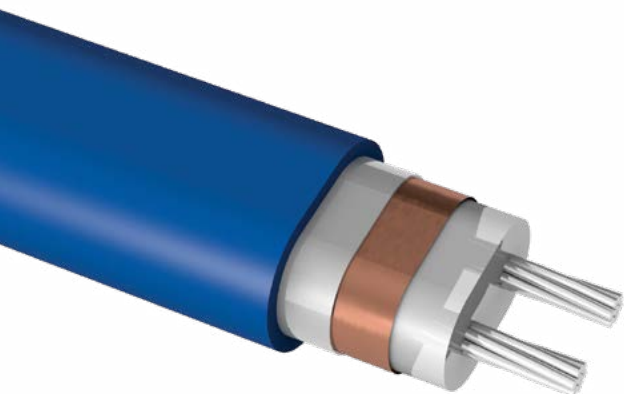


85 Ω, 30 AWG CU MICRO TWINAX CABLE

TTF-3085CU-XX-XX



PERFORMANCE DATA

Capacitance:	17 pF/ft (nominal)
Skew:	10 ps/m max within pairs
Propagation Delay:	1.46 ns/foot
Flex Cycles:	5,000 cycles, 8-wide ribbon*
Current Rating:	Single conductor = 3.3 Amps** 16 conductors = 1.4 Amps**
Shield DCR:	84 Ω/1000 ft
CC DCR:	101 Ω/1000 ft
Min. Bend Radius:	.125"
Availability:	Single, 2-11 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	>20 GHz	5.2 GHz
-7 dB	>20 GHz	>20 GHz

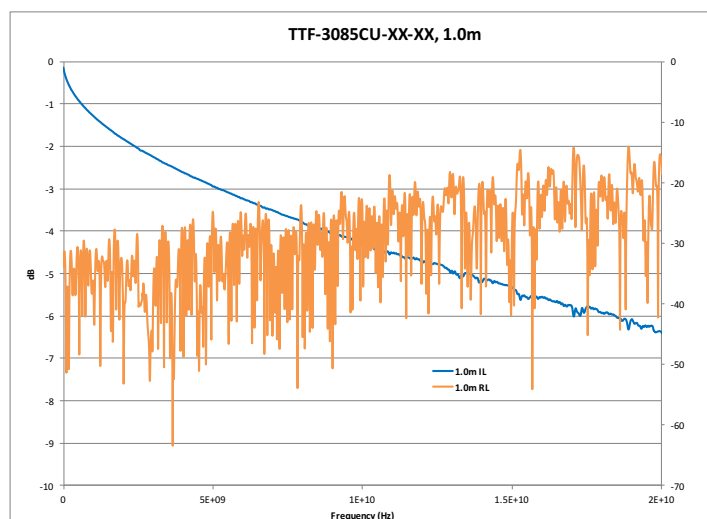
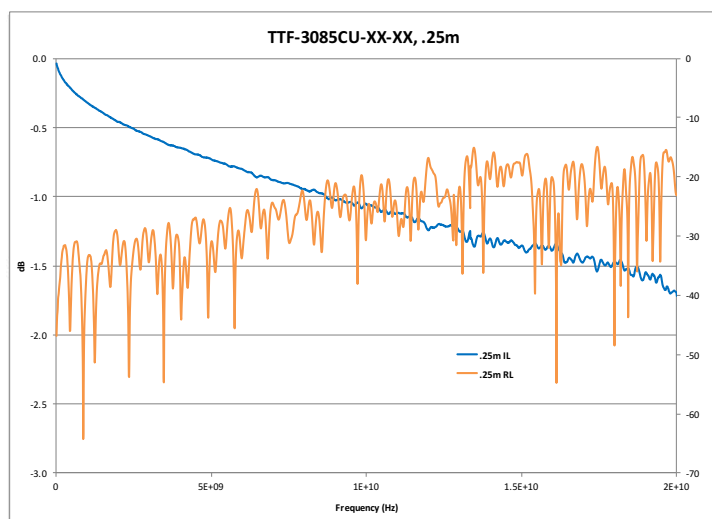
* Test Conditions – 8 oz. weight, dia 7/8" mandrel, +/-90 bend X2

** 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 is typical. Results may vary.



1.800.SAMTEC.9 • HDR@samtec.com

June 19, 2018 • Rev: C