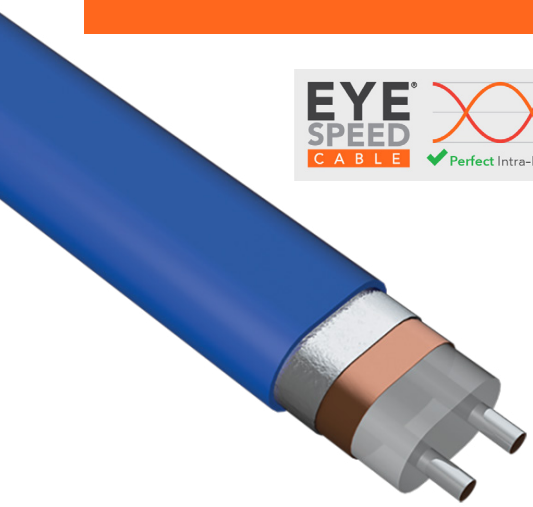
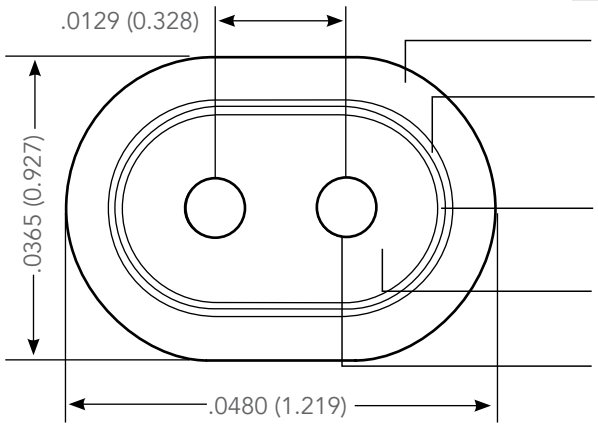
85 Ω, 34 AWG SOLID, CU MICRO TWINAX CABLE HT PVDF

TTF-3485CU-01-PVDF-S



EYE SPEED CABLE — Perfect Intra-Pair Sequencing



- Jacket: PVDF R .018 (0.445)
- Shield: Aluminized Polyester Tape R .011 (0.278)
- Shield: Copper Foil R .010 (0.258)
- Dielectric: PFA R .009 (0.232)
- Signal Conductors: Silver Plated Alloy 34 AWG Ø .0063 (0.160)

PERFORMANCE DATA

Capacitance:	16 pF/ft (nominal)
Skew:	3.5 ps/m max within pairs
Propagation Delay:	1.45 ns/foot
Flex Cycles:	12,000 cycles, single*
Current Rating:	Single conductor: 1.5 Amps** 2 conductors: 1.1 Amps**
Shield DCR:	167 Ω/1000 ft
CC DCR:	300 Ω/1000 ft
Min. Bend Radius:	.125" (single bend only for <1 Ω impedance drop)
Temperature Rating:	-40 °C to 140 °C ***
Flammability Rating:	UL VW-1†
Breakdown Voltage:	1028 V‡ (est.)

Insertion Loss	0.25 m	1 m
-3 dB	25 GHz	2 GHz
-7 dB	>32 GHz	9 GHz

* Test Conditions – 4 oz. weight, dia 7/8" mandrel, +/-90 bend X2

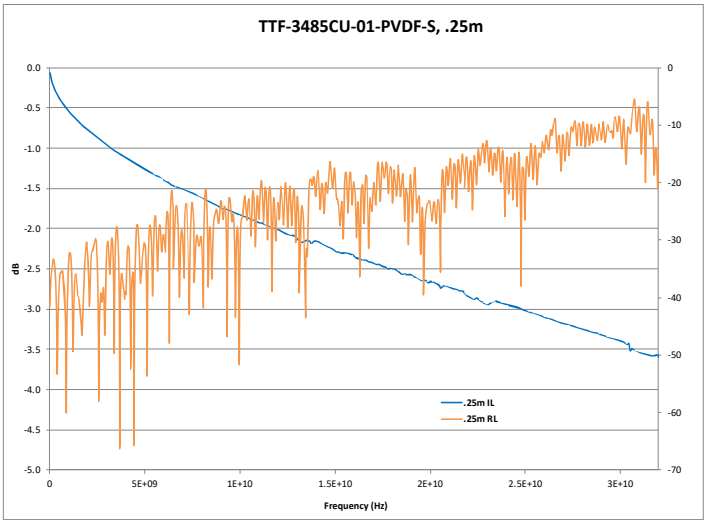
** Rating – 30 °C Temperature Rise, 20% de-rated. Testing performed on single.

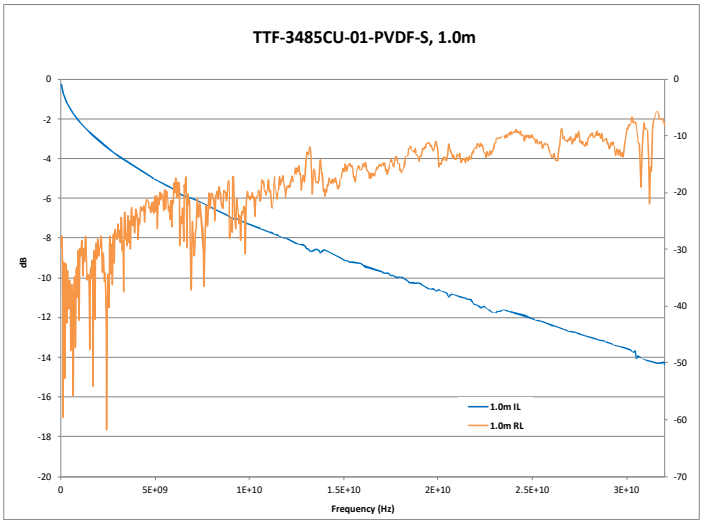
*** Test Conditions – Heat Shock/Cold Soak per UL #1581, wire wrap 7/8" mandrel, visual inspection

†TX-3485CU-PVDF-S has undergone UL VW-1 Research Testing and complies with UL 758.

‡Typical. The DWV voltage is 75% of the min breakdown voltage. The working voltage is 25% of the breakdown voltage. Test condition – 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.

samtec

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