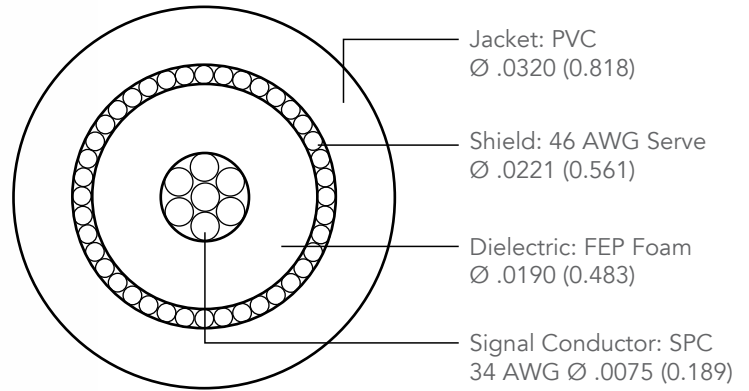


# 50 Ω, 34 AWG MICRO COAX CABLE

TCF-3450F-XX-XX



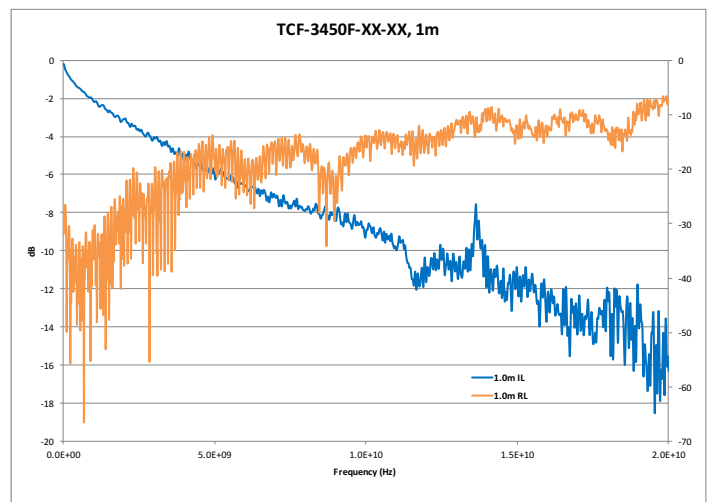
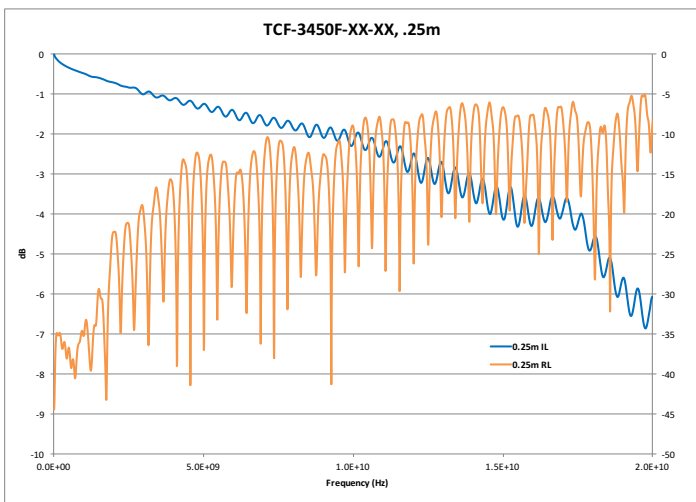
## PERFORMANCE DATA

Capacitance:	27 pF/ft (nominal)
Propagation Delay:	1.30 ns/foot
Flex Cycles:	80,000 cycles, 20-wide ribbon*
Current Rating:	Single conductor = 1.8 Amps** 20 conductors = 0.7 Amps**
Shield DCR:	111 Ω/1000 ft
CC DCR:	258 Ω/1000 ft
Min. Bend Radius:	.125"
Availability:	Single, 2-35 ribbon, tape bonded
Temperature Rating:	-25 °C to 105 °C, UL VW-1 Tested ***
DWV Working Voltage:	250 V†

Insertion Loss	0.25 m	1 m
-3 dB	12 GHz	2 GHz
-7 dB	>20 GHz	6.5 GHz

\* Test Conditions – 8 oz. weight, dia 1/4" mandrel, +/-90 bend X2  
 \*\* Rating – 30 °C Temperature Rise, 20% de-rated. Testing performed on 20-position ribbon.  
 \*\*\* Test Conditions – Heat Shock/Cold Bend 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.



1.800.SAMTEC.9 • HDR@samtec.com

October 21, 2019 • Rev: L