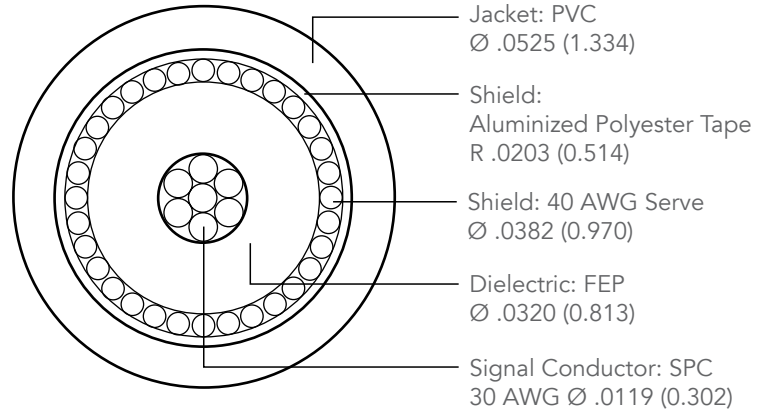


50 Ω, 30 AWG MICRO COAX CABLE

TCS-3050F-XX-XX



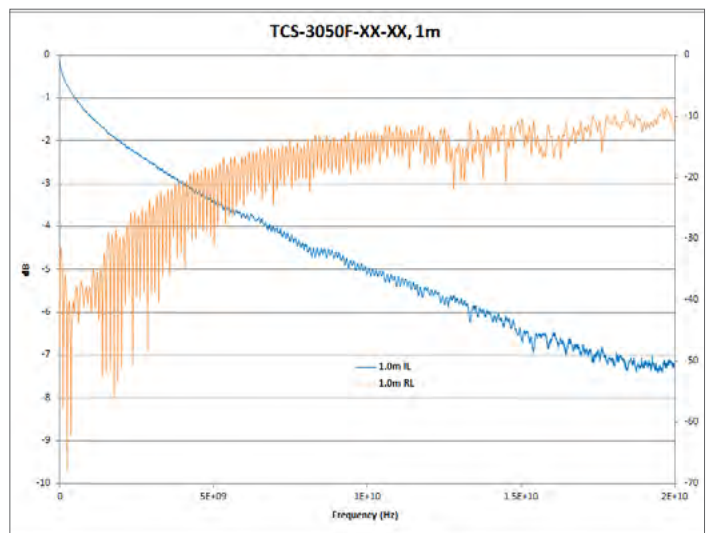
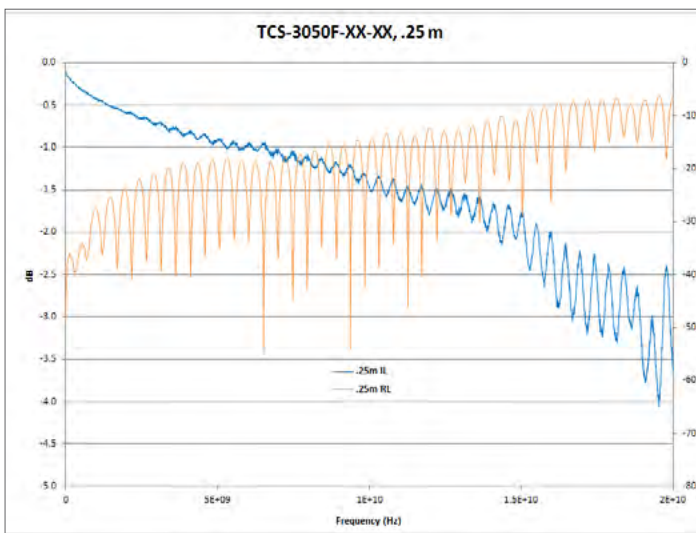
PERFORMANCE DATA

Capacitance:	26 pF/ft (nominal)
Propagation Delay:	1.28 ns/foot
Flex Cycles:	25,000 cycles, 8-wide ribbon*
Current Rating:	Single conductor = 3.3 Amps** 20 conductors = 1.3 Amps**
Shield DCR:	37 Ω/1000 ft
CC DCR:	101 Ω/1000 ft
Min. Bend Radius:	.3125"
Availability:	Single, 2-35 ribbon, tape bonded
Temperature Rating:	-25 °C to 105 °C, UL VW-1 Tested ***
DWV Working Voltage:	338 V†

Insertion Loss	0.25 m	1 m
-3 dB	16.7 GHz	4 GHz
-7 dB	>20 GHz	16.5 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

January 26, 2017 • Rev: G