

Samtec Cable Bandwidth Performance Selector

Single-Ended - RF Cable

Series	Pitch	Cable Length	3dB Insertion Loss Point
GRF1-C	5mm	152mm	5.31 GHz
		229mm	5.31 GHz
		305mm	5.10 GHz
		500mm	4.59 GHz
		750mm	3.93 GHz
		1000mm	3.66 GHz

Differential Pair - I/O Cable

Series	Cable Length	7dB Insertion Loss Point
EPLSP	1000mm	3.90 GHz
	2000mm	2.70 GHz
	3000mm	1.96 GHz
	4000mm	1.08 GHz
	5000mm	820 MHz
	HPDPI	152mm
229mm		6.38 GHz
305mm		6.22 GHz
500mm		6.20 GHz
750mm		4.59 GHz
1000mm		5.59 GHz
HPSTP	2540mm	1.64 GHz
	1000mm	4.56 GHz
	2000mm	2.82 GHz
	3000mm	1.62 GHz
	5000mm	990 MHz
VPSTP	1000mm	1.82 GHz

The information contained in this chart does not represent the potential maximum performance of the interconnect system. If your application appears to exceed the connector's rating from the chart below, the connector solution may still work. Please contact our Signal Integrity Group at sig@samtec.com for additional support.

The data reflects the point where an insertion loss of 7dB occurs within the cable assembly. The data is based from a test circuit with a characteristic impedance and a wiring pattern of G-S-G (where G = return; S = active differential pair) within the pin field of the connector. Please note that performance may not be linear to stack height.

For more information on any of the products included in this chart, click on the series name in the Key to get complete testing information, visit our website at www.samtec.com, or contact our Signal Integrity Group at sig@samtec.com. Click here for more information on our High Speed Characterization Report Test Procedures.