

Maximum Transmission Distance at Serial Digital Data Rates

Belden Part Numbers HC2648R / HC2650R - 25AWG Solid Mini-Coax

Resolution	Image Refresh Rate	Horizontal Scan Rate	Bandwidth Frequency	dB Loss @ Bandwidth Frequency	Maximum Transmission Distance (feet) at -1 dB	Maximum Transmission Distance (feet) at -3 dB	Maximum Transmission Distance (feet) at -6 dB
VGA (640 x 480)	60 Hz	31.5 KHz	27.6 MHz	2.49	40	120	241
	75 Hz	39 KHz	34.5 MHz	2.86	35	105	210
	85 Hz	45 KHz	39.2 MHz	3.1	32	97	194
SVGA (800 x 600)	60 Hz	38 KHz	43.2 MHz	3.32	30	90	181
	75 Hz	50 KHz	54 MHz	3.77	27	80	159
	85 Hz	54 KHz	61.2 MHz	3.95	25	76	152
XGA (1024 x 768)	60 Hz	48 KHz	70.7 MHz	4.19	24	72	143
	75 Hz	60 KHz	88.5 MHz	4.63	22	65	130
	85 Hz	68 KHz	100 MHz	4.92	20	61	122
SXGA (1280 x 1024)	60 Hz	64 KHz	118 MHz	5.24	19	57	115
	75 Hz	80 KHz	147.4 MHz	5.76	17	52	104
	85 Hz	91 KHz	167 MHz	6.11	16	49	98
UXGA (1600 x 1200)	60 Hz	75 KHz	172.8 MHz	6.22	16	48	96
	75 Hz	94 KHz	216 MHz	6.92	14	43	87
	85 Hz	107 KHz	244.8 MHz	7.32	14	41	82
RGB	***	***	5 MHz	1.17	85	256	513
HDTV	60 Hz	***	74.25 MHz	4.28	23	70	140