

Transmission Distances for Popular Coaxial Cables



2/1/2011

Maximum Recommended RGB Video Distance (Without using an interface or line driver)

Resolution	VGA 640x480			SVGA 800x600			XGA 1024x768			SXGA 1280x1024			UXGA 1600x1200		
H refresh	60Hz	75Hz	85Hz	60Hz	75Hz	85Hz	60Hz	75Hz	85Hz	60Hz	75Hz	85Hz	60Hz	75Hz	85Hz
V refresh	31.5KHz	39KHz	45KHz	38KHz	50KHz	54KHz	48KHz	50KHz	68KHz	64KHz	80KHz	91KHz	75KHz	94KHz	107KHz
MHz	27.6	34.6	39.2	43.2	54	61.2	70.8	88.5	100.3	118	147.5	167.1	172.8	216	244.8
WPW P.N.	Recommended Distance (ft) Based on 3rd Harmonics at -3dB														
WP258265	85	69	59	57	45	37	35	27	25	20	15	13	13	10	9
255CRGB	125	111	92	89	68	55	50	39	35	29	21	18	18	13	11
WP8195	310	250	215	205	160	136	121	95	83	72	56	50	48	38	33
WP6355	560	453	390	370	288	248	220	172	150	130	101	88	87	68	60
WPW P.N.	Recommended Distance (ft) Based on 3rd Harmonics at -6dB														
WP258265	328	265	228	216	168	145	129	100	87	75	60	52	51	40	35
255CRGB	470	380	327	302	240	208	185	143	125	108	85	74	74	57	50
WP8195	1120	903	778	737	571	491	438	341	299	257	201	176	175	136	120
WP6355	1800	1452	1250	1184	918	790	705	550	480	415	325	285	280	218	192

Analog Based Video

	Composite	SVHS	Y,Pb,Pr
freq.	5.5	10	10
WP258265	217	158	158
255CRGB	252	188	188
HD825	300	217	217
819	450	335	335
6350	562	417	417
1135	827	613	613
2825		217	
2CSVHS		188	
815	450	335	335
dB loss	-3dB	-3dB	-3dB

SDI Digital

	259MA	259MB	259MC	259MD	334M	292M	292M
freq.	71.5	88.5	135	270	360	750	1.5Ghz
HD825	769	705	578	510	360	145	100
819	1430	1360	1110	970	790	310	220
6350	1880	1710	1430	1240	1010	400	270
1135	2730	2330	1670	1480	1200	470	330
dB loss	-30dB	-30dB	-30dB	-30dB	-30dB	-20dB	-20dB