

Maximum Transmission Distance By Video Format

Data Rate	143 Mb/s	177 Mb/s	270Mb/s	360Mb/s	540Mb/s	1.5Gb/s	3.0 Gb/s
Spec	SMPTE 259M	ITU-R BT. 601	SMPTE 259M	SMPTE 259M	SMPTE 344M	SMPTE 292M	SMPTE 424M
Application	Composite NTSC	Composite PAL	Component 4:2:2	Component 4:2:2 16x9	SDI	HD-SDI	HD 1080p
Model	m	m	m	m	m	m	m
L-2.5CFB	265	242	199	172	139	54	36
L-2.5CHD	314	287	237	206	168	66	46
L-3CFB	344	314	257	222	179	68	46
L-4CFB	415	314	310	268	216	82	55
L-4.5CHD	551	504	415	361	293	115	79
L-5CFBA	563	513	420	364	294	112	76
L-5CHD	614	562	464	403	327	128	88
L-6CHD	766	700	575	499	403	154	105
L-7CHD	902	824	678	589	476	184	125
L-8CHD	1035	945	777	674	544	208	141
L-3CFW	319	288	230	197	158	60	40
L-5CFW	535	483	384	333	267	103	70

The above values are based on SMPTE standards 259M, 292M, 344M, and 424M. Our criteria are as follows:

259M & 344M: The listed coaxial cable's attenuation value does not exceed 30dB loss at one-half the clock frequency (bit rate).

292M & 424M: The listed coaxial cable's attenuation value does not exceed 20dB loss at one-half the clock frequency (bit rate).