

Voltage Drop Table for Wire Runs

Current Draw	Cable Lengths (feet)	Voltage at Camera (22 awg wire)		Voltage at Camera (18 awg wire)	
		24V Source	28V Source	24V Source	28V Source
100 mA	500	22.4	26.4	23.4	27.4
	1000	20.8	24.8	22.7	26.7
	1500	19.2	23.2	22.1	26.1
	2000	17.6	21.6	21.5	25.5
	3000	14.4	18.4	20.2	24.2
	5000	8.1	12.1	17.7	21.7
150 mA	500	21.6	25.6	23.1	27.1
	1000	19.2	23.2	22.1	26.1
	1500	16.8	20.8	21.2	25.2
	2000	14.4	18.4	20.2	24.2
	3000	9.7	13.7	18.3	22.3
200 mA	500	20.8	24.8	22.7	26.7
	1000	17.6	21.6	21.5	25.5
	1500	14.4	18.4	20.2	24.2
	2000	11.2	15.2	18.9	22.9
300 mA	300	21.1	25.1	22.9	26.9
	500	19.2	23.2	22.1	26.1
	1000	14.4	18.4	20.2	24.2
	1500	9.7	13.7	18.3	22.3
500 mA	200	20.8	24.8	22.7	26.7
	300	19.2	23.2	22.1	26.1
	500	16.0	20.0	20.9	24.9
750 mA	100	21.6	25.6	23.1	27.1
	200	19.2	23.2	22.1	26.1
	300	16.8	20.8	21.2	25.2
	500	12.1	16.1	19.3	23.3
1 Amp	100	20.8	24.8	22.7	26.7
	200	17.6	21.6	21.5	25.5
	300	14.4	18.4	20.2	24.2
1.5 Amps	100	19.2	23.2	22.1	26.1
	200	14.4	18.4	20.2	24.2