

Voltage Drop Chart - 24V LED Tape (1A to 4A Load)

Distance (ft)	Current (A)	Wattage (W)	AWG	Voltage Drop (V)	Drop %
5	1	24	18 AWG	0.06	0.27%
5	1	24	16 AWG	0.04	0.17%
5	1	24	14 AWG	0.03	0.11%
5	1	24	12 AWG	0.02	0.07%
5	1	24	10 AWG	0.01	0.04%
10	1	24	18 AWG	0.13	0.53%
10	1	24	16 AWG	0.08	0.33%
10	1	24	14 AWG	0.05	0.21%
10	1	24	12 AWG	0.03	0.13%
10	1	24	10 AWG	0.02	0.08%
20	1	24	18 AWG	0.26	1.06%
20	1	24	16 AWG	0.16	0.67%
20	1	24	14 AWG	0.10	0.42%
20	1	24	12 AWG	0.06	0.26%
20	1	24	10 AWG	0.04	0.17%
30	1	24	18 AWG	0.38	1.60%
30	1	24	16 AWG	0.24	1.00%
30	1	24	14 AWG	0.15	0.63%
30	1	24	12 AWG	0.10	0.40%
30	1	24	10 AWG	0.06	0.25%
40	1	24	18 AWG	0.51	2.13%
40	1	24	16 AWG	0.32	1.34%
40	1	24	14 AWG	0.20	0.84%
40	1	24	12 AWG	0.13	0.53%
40	1	24	10 AWG	0.08	0.33%
50	1	24	18 AWG	0.64	2.66%
50	1	24	16 AWG	0.40	1.67%
50	1	24	14 AWG	0.25	1.05%
50	1	24	12 AWG	0.16	0.66%
50	1	24	10 AWG	0.10	0.42%

Voltage Drop Chart - 24V LED Tape (1A to 4A Load)

Distance (ft)	Current (A)	Wattage (W)	AWG	Voltage Drop (V)	Drop %
5	2	48	18 AWG	0.13	0.53%
5	2	48	16 AWG	0.08	0.33%
5	2	48	14 AWG	0.05	0.21%
5	2	48	12 AWG	0.03	0.13%
5	2	48	10 AWG	0.02	0.08%
10	2	48	18 AWG	0.26	1.06%
10	2	48	16 AWG	0.16	0.67%
10	2	48	14 AWG	0.10	0.42%
10	2	48	12 AWG	0.06	0.26%
10	2	48	10 AWG	0.04	0.17%
20	2	48	18 AWG	0.51	2.13%
20	2	48	16 AWG	0.32	1.34%
20	2	48	14 AWG	0.20	0.84%
20	2	48	12 AWG	0.13	0.53%
20	2	48	10 AWG	0.08	0.33%
30	2	48	18 AWG	0.77	3.19%
30	2	48	16 AWG	0.48	2.01%
30	2	48	14 AWG	0.30	1.26%
30	2	48	12 AWG	0.19	0.79%
30	2	48	10 AWG	0.12	0.50%
40	2	48	18 AWG	1.02	4.26%
40	2	48	16 AWG	0.64	2.68%
40	2	48	14 AWG	0.40	1.68%
40	2	48	12 AWG	0.25	1.06%
40	2	48	10 AWG	0.16	0.67%
50	2	48	18 AWG	1.28	5.32%
50	2	48	16 AWG	0.80	3.35%
50	2	48	14 AWG	0.51	2.10%
50	2	48	12 AWG	0.32	1.32%
50	2	48	10 AWG	0.20	0.83%

Voltage Drop Chart - 24V LED Tape (1A to 4A Load)

Distance (ft)	Current (A)	Wattage (W)	AWG	Voltage Drop (V)	Drop %
5	3	72	18 AWG	0.19	0.80%
5	3	72	16 AWG	0.12	0.50%
5	3	72	14 AWG	0.08	0.32%
5	3	72	12 AWG	0.05	0.20%
5	3	72	10 AWG	0.03	0.12%
10	3	72	18 AWG	0.38	1.60%
10	3	72	16 AWG	0.24	1.00%
10	3	72	14 AWG	0.15	0.63%
10	3	72	12 AWG	0.10	0.40%
10	3	72	10 AWG	0.06	0.25%
20	3	72	18 AWG	0.77	3.19%
20	3	72	16 AWG	0.48	2.01%
20	3	72	14 AWG	0.30	1.26%
20	3	72	12 AWG	0.19	0.79%
20	3	72	10 AWG	0.12	0.50%
30	3	72	18 AWG	1.15	4.79%
30	3	72	16 AWG	0.72	3.01%
30	3	72	14 AWG	0.45	1.89%
30	3	72	12 AWG	0.29	1.19%
30	3	72	10 AWG	0.18	0.75%
40	3	72	18 AWG	1.53	6.39%
40	3	72	16 AWG	0.96	4.02%
40	3	72	14 AWG	0.61	2.52%
40	3	72	12 AWG	0.38	1.59%
40	3	72	10 AWG	0.24	1.00%
50	3	72	18 AWG	1.92	7.98%
50	3	72	16 AWG	1.20	5.02%
50	3	72	14 AWG	0.76	3.16%
50	3	72	12 AWG	0.48	1.98%
50	3	72	10 AWG	0.30	1.25%

Voltage Drop Chart - 24V LED Tape (1A to 4A Load)

Distance (ft)	Current (A)	Wattage (W)	AWG	Voltage Drop (V)	Drop %
5	4	96	18 AWG	.26	1.06%
5	4	96	16 AWG	0.16	0.67%
5	4	96	14 AWG	0.10	0.42%
5	4	96	12 AWG	0.06	0.26%
5	4	96	10 AWG	0.04	0.17%
10	4	96	18 AWG	0.51	2.13%
10	4	96	16 AWG	0.32	1.34%
10	4	96	14 AWG	0.20	0.84%
10	4	96	12 AWG	0.13	0.53%
10	4	96	10 AWG	0.08	0.33%
20	4	96	18 AWG	1.02	4.26%
20	4	96	16 AWG	0.64	2.68%
20	4	96	14 AWG	0.40	1.68%
20	4	96	12 AWG	0.25	1.06%
20	4	96	10 AWG	0.16	0.67%
30	4	96	18 AWG	1.53	6.39%
30	4	96	16 AWG	0.96	4.02%
30	4	96	14 AWG	0.61	2.52%
30	4	96	12 AWG	0.38	1.59%
30	4	96	10 AWG	0.24	1.00%
40	4	96	18 AWG	2.04	8.51%
40	4	96	16 AWG	1.29	5.35%
40	4	96	14 AWG	0.81	3.37%
40	4	96	12 AWG	0.51	2.12%
40	4	96	10 AWG	0.32	1.33%
50	4	96	18 AWG	2.55	10.64%
50	4	96	16 AWG	1.61	6.69%
50	4	96	14 AWG	1.01	4.21%
50	4	96	12 AWG	0.64	2.65%
50	4	96	10 AWG	0.40	1.67%