VOLTAGE DROP CHART

This chart is calculated for 24 volt – double the distance for 48 volt.

LOAD IN WATTS

WATTS	1.3MM2	2.9MM2	4.6MM2
20	141.18	337.50	526.83
40	70.59	168.75	263.41
50	56.47	135.00	210.73
60	47.06	112.50	175.61
70	40.34	96.43	150.52
80	35.29	84.38	131.71
90	31.37	75.00	117.07
100	28.24	67.50	105.37
110	25.67	61.36	95.79
120	23.53	56.25	87.80
130	21.72	51.92	81.05
140	20.17	48.21	75.26
150	18.82	45.00	70.24
160	17.65	42.19	65.85
170	16.61	39.71	61.98
180	15.69	37.50	58.54
190	14.86	35.53	55.46
200	14.12	33.75	52.68
210	13.45	32.14	50.17
220	12.83	30.68	47.89
230	12.28	29.35	45.81
240	11.76	28.13	43.90
250	11.29	27.00	42.15
260	10.86	25.96	40.53
270	10.46	25.00	39.02
280	10.08	24.11	37.63
290	9.74	23.28	36.33
300	9.41	22.50	35.12

The above chart is used to determine the maximum length of Gardens at Night extra low voltage cable(in meters) that can be used before experiencing voltage drop. It is VERY important that you do not exceed these lengths.

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