



millivolts DC Drop per foot pair for K stranded tinned copper @25C

Gauge	18	16	14	12	10	8	6	4	3	2	1	0 2/0	3/0	4/0	
milliOHM/ft-pr	12.18	9	5.7	3.62	2.24	1.418	0.896	0.574	0.456	0.366	0.29	0.228	0.178	0.1346	0.1178
AMPS															
1	12.18	9	5.7	3.62	2.24	1.418	0.896	0.574	0.456	0.366	0.29	0.228	0.178	0.1346	0.1178
5	60.9	45	28.5	18.1	11.2	7.09	4.48	2.87	2.28	1.83	1.45	1.14	0.89	0.673	0.589
10	121.8	90	57	36.2	22.4	14.18	8.96	5.74	4.56	3.66	2.9	2.28	1.78	1.346	1.178
15	182.7	135	85.5	54.3	33.6	21.27	13.44	8.61	6.84	5.49	4.35	3.42	2.67	2.019	1.767
20	243.6	180	114	72.4	44.8	28.36	17.92	11.48	9.12	7.32	5.8	4.56	3.56	2.692	2.356
25	304.5	225	142.5	90.5	56	35.45	22.4	14.35	11.4	9.15	7.25	5.7	4.45	3.365	2.945
30	365.4	270	171	108.6	67.2	42.54	26.88	17.22	13.68	10.98	8.7	6.84	5.34	4.038	3.534
35	426.3	315	199.5	126.7	78.4	49.63	31.36	20.09	15.96	12.81	10.15	7.98	6.23	4.711	4.123
40	487.2	360	228	144.8	89.6	56.72	35.84	22.96	18.24	14.64	11.6	9.12	7.12	5.384	4.712
45	548.1	405	256.5	162.9	100.8	63.81	40.32	25.83	20.52	16.47	13.05	10.26	8.01	6.057	5.301
50	609	450	285	181	112	70.9	44.8	28.7	22.8	18.3	14.5	11.4	8.9	6.73	5.89
55	669.9	495	313.5	199.1	123.2	77.99	49.28	31.57	25.08	20.13	15.95	12.54	9.79	7.403	6.479
60	730.8	540	342	217.2	134.4	85.08	53.76	34.44	27.36	21.96	17.4	13.68	10.68	8.076	7.068
65	791.7	585	370.5	235.3	145.6	92.17	58.24	37.31	29.64	23.79	18.85	14.82	11.57	8.749	7.657
70	852.6	630	399	253.4	156.8	99.26	62.72	40.18	31.92	25.62	20.3	15.96	12.46	9.422	8.246
75	913.5	675	427.5	271.5	168	106.35	67.2	43.05	34.2	27.45	21.75	17.1	13.35	10.095	8.835
80	974.4	720	456	289.6	179.2	113.44	71.68	45.92	36.48	29.28	23.2	18.24	14.24	10.768	9.424
85	1035.3	765	484.5	307.7	190.4	120.53	76.16	48.79	38.76	31.11	24.65	19.38	15.13	11.441	10.013
90	1096.2	810	513	325.8	201.6	127.62	80.64	51.66	41.04	32.94	26.1	20.52	16.02	12.114	10.602
95	1157.1	855	541.5	343.9	212.8	134.71	85.12	54.53	43.32	34.77	27.55	21.66	16.91	12.787	11.191
100	1218	900	570	362	224	141.8	89.6	57.4	45.6	36.6	29	22.8	17.8	13.46	11.78