AWG to mm² Chart

AWG to mm² chart

Sorted by cross-section, smallest to largest. kcmil is circular mils divided by one thousand.

AWG or kcmil	Area (mm²)	Diameter (mm)	Thousand circular mils
37	0.010	0.113	0.02
36	0.013	0.127	0.03
35	0.016	0.143	0.03
34	0.020	0.160	0.04
33	0.025	0.180	0.05
32	0.032	0.202	0.06
31	0.040	0.227	0.08
30	0.051	0.255	0.10
29	0.064	0.286	0.13
28	0.081	0.321	0.16
27	0.102	0.361	0.20
26	0.129	0.405	0.25
25	0.162	0.455	0.32
24	0.205	0.511	0.40
23	0.258	0.573	0.51
22	0.326	0.644	0.64
21	0.410	0.723	0.81
20	0.518	0.812	1.02
19	0.653	0.912	1.29
18	0.823	1.024	1.62
17	1.038	1.150	2.05
16	1.309	1.291	2.58
15	1.650	1.450	3.26
14	2.081	1.628	4.11
13	2.624	1.828	5.18
12	3.309	2.053	6.53
11	4.172	2.305	8.23
10	5.261	2.588	10.38
9	6.634	2.906	13.09
8	8.366	3.264	16.51
7	10.549	3.665	20.82
6	13.302	4.115	26.25
5	16.773	4.621	33.10
4	21.151	5.189	41.74
3	26.670	5.827	52.63
2	33.631	6.544	66.37
1	42.408	7.348	83.69
1/0	53.475	8.251	105.53
2/0	67.431	9.266	133.08
3/0	85.029	10.405	167.81
4/0	107.219	11.684	211.60
250 kcmil	126.677	12.700	250.00
300 kcmil	152.012	13.912	300.00
350 kcmil	177.348	15.027	350.00
400 kcmil	202.683	16.064	400.00
500 kcmil	253.354	17.961	500.00
600 kcmil	304.024	19.675	600.00
700 kcmil	354.695	21.251	700.00
750 kcmil	380.031	21.997	750.00
800 kcmil	405.366	22.718	800.00
900 kcmil	456.037	24.097	900.00
1000 kcmil	506.707	25.400	1000.00

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