

Conversion Table for AWG (American Wire Gauge) to Metric Sizes

AWG	Diameter (mm)	Area (mm ²)	Ohms per 1000 m	Meters per kg	Meters per ohm	Max.I (A)
0000	11.6840	136.5159	0.1608	1.05	6217.9	0.0000
000	10.4038	108.2399	0.2028	1.32	4931.7	0.0000
00	9.2659	85.8573	0.2556	1.66	3910.6	0.0000
0	8.2525	68.1031	0.3225	2.10	3102.9	0.0000
1	7.3482	53.9963	0.4065	2.65	2459.7	0.0000
2	6.5430	42.8114	0.5128	3.34	1950.7	22.0000
3	5.8268	33.9511	0.6463	4.22	1546.9	17.5000
4	5.1892	26.9280	0.8153	5.31	1226.8	13.8000
5	4.6203	21.3468	1.0279	6.70	972.9	11.0000
6	4.1148	16.9316	1.2963	8.45	771.4	8.7100
7	3.6652	13.4338	1.6345	10.65	611.7	6.9100
8	3.2639	10.6530	2.0610	13.43	485.2	5.4800
9	2.9058	8.4434	2.5988	16.94	384.7	4.3500
10	2.5883	6.6991	3.2772	21.36	305.1	3.4400
11	2.3038	5.3074	4.1339	26.94	242.0	2.7400
12	2.0523	4.2120	5.2100	33.96	191.9	2.1700
13	1.8288	3.3445	6.5715	42.83	152.2	1.7200
14	1.6281	2.6508	8.2841	54.00	120.7	1.3700
15	1.4503	2.1035	10.4462	68.08	95.7	1.0830
16	1.2903	1.6649	13.1759	85.87	75.9	0.8530
17	1.1506	1.3239	16.6142	108.29	60.2	0.6810
18	1.0236	1.0478	20.9482	136.56	47.7	0.5390
19	0.9119	0.8315	26.4140	172.21	37.9	0.4270
20	0.8128	0.6606	33.3005	217.12	30.0	0.3370
21	0.7239	0.5240	41.9948	273.78	23.8	0.2690
22	0.6452	0.4162	52.9528	345.22	18.9	0.2120
23	0.5740	0.3295	66.7979	435.31	15.0	0.1700
24	0.5105	0.2607	84.2192	548.98	11.9	0.1330
25	0.4547	0.2067	106.2008	692.18	9.4	0.1056
26	0.4039	0.1631	133.8911	872.78	7.5	0.0853
27	0.3607	0.1301	168.8648	1100.37	5.9	0.0672
28	0.3200	0.1024	212.9265	1387.71	4.7	0.0530
29	0.2870	0.0824	268.4711	1750.25	3.7	0.0418
30	0.2540	0.0645	338.5827	2206.78	3.0	0.0333
31	0.2261	0.0511	426.8373	2782.81	2.3	0.0270
32	0.2032	0.0413	538.3858	3509.23	1.9	0.0213
33	0.1803	0.0325	678.8058	4424.97	1.5	0.0163
34	0.1600	0.0256	855.9711	5579.05	1.2	0.0128
35	0.1422	0.0202	1079.3963	7035.91	0.9	0.0000
36	0.1270	0.0161	1360.8924	8868.74	0.7	0.0000
37	0.1143	0.0131	1716.2073	11184.95	0.6	0.0000
38	0.1016	0.0103	2164.0420	14105.39	0.5	0.0000
39	0.0889	0.0079	2729.0026	17791.19	0.4	0.0000
40	0.0787	0.0062	3441.6010	22430.33	0.3	0.0000