

Table of AWG wire sizes

AWG	Diameter		Turns of Wire		Area		Copper Resistance	
	inch	mm	(per inch)	(per cm)	(kcmil)	mm ²	(Ω/km)	(mΩ/ft)
0000 (4/0)	0.46	11.684	2.17	0.856	212	107	0.1608	0.04901
000 (3/0)	0.4096	10.404	2.44	0.961	168	85	0.2028	0.0618
00 (2/0)	0.3648	9.266	2.74	1.08	133	67.4	0.2557	0.07793
0 (1/0)	0.3249	8.252	3.08	1.21	106	53.5	0.3224	0.09827
1	0.2893	7.348	3.46	1.36	83.7	42.4	0.4066	0.1239
2	0.2576	6.544	3.88	1.53	66.4	33.6	0.5127	0.1563
3	0.2294	5.827	4.36	1.72	52.6	26.7	0.6465	0.197
4	0.2043	5.189	4.89	1.93	41.7	21.2	0.8152	0.2485
5	0.1819	4.621	5.5	2.16	33.1	16.8	1.028	0.3133
6	0.162	4.115	6.17	2.43	26.3	13.3	1.296	0.3951
7	0.1443	3.665	6.93	2.73	20.8	10.5	1.634	0.4982
8	0.1285	3.264	7.78	3.06	16.5	8.37	2.061	0.6282
9	0.1144	2.906	8.74	3.44	13.1	6.63	2.599	0.7921
10	0.1019	2.588	9.81	3.86	10.4	5.26	3.277	0.9989
11	0.0907	2.305	11	4.34	8.23	4.17	4.132	1.26
12	0.0808	2.053	12.4	4.87	6.53	3.31	5.211	1.588
13	0.072	1.828	13.9	5.47	5.18	2.62	6.571	2.003
14	0.0641	1.628	15.6	6.14	4.11	2.08	8.286	2.525
15	0.0571	1.45	17.5	6.9	3.26	1.65	10.45	3.184
16	0.0508	1.291	19.7	7.75	2.58	1.31	13.17	4.016
17	0.0453	1.15	22.1	8.7	2.05	1.04	16.61	5.064
18	0.0403	1.024	24.8	9.77	1.62	0.823	20.95	6.385
19	0.0359	0.912	27.9	11	1.29	0.653	26.42	8.051
20	0.032	0.812	31.3	12.3	1.02	0.518	33.31	10.15
21	0.0285	0.723	35.1	13.8	0.81	0.41	42	12.8
22	0.0253	0.644	39.5	15.5	0.642	0.326	52.96	16.14
23	0.0226	0.573	44.3	17.4	0.509	0.258	66.79	20.36
24	0.0201	0.511	49.7	19.6	0.404	0.205	84.22	25.67
25	0.0179	0.455	55.9	22	0.32	0.162	106.2	32.37
26	0.0159	0.405	62.7	24.7	0.254	0.129	133.9	40.81
27	0.0142	0.361	70.4	27.7	0.202	0.102	168.9	51.47
28	0.0126	0.321	79.1	31.1	0.16	0.081	212.9	64.9
29	0.0113	0.286	88.8	35	0.127	0.0642	268.5	81.84
30	0.01	0.255	99.7	39.3	0.101	0.0509	338.6	103.2
31	0.00893	0.227	112	44.1	0.0797	0.0404	426.9	130.1
32	0.00795	0.202	126	49.5	0.0632	0.032	538.3	164.1

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