

AWG	Diameter (inches)	Diameter (mm)	Resistance (Ohms / 1000 ft)	Resistance (Ohms / km)	Max Current (Amperes)	Max Frequency for 100% skin dpeth
2	0.25762	6.54304	0.1563	0.512664	94	410 Hz
3	0.22941	5.82676	0.197	0.64616	75	500 Hz
4	0.20430	5.18922	0.2485	0.81508	60	650 Hz
5	0.18193	4.62026	0.3133	1.027624	47	810 Hz
6	0.16202	4.1148	0.3951	1.295928	37	1100 Hz
7	0.14428	3.66522	0.4982	1.634096	30	1300 Hz
8	0.12849	3.2639	0.6282	2.060496	24	1650 Hz
9	0.11442	2.90576	0.7921	2.598088	19	2050 Hz
10	0.10189	2.58826	0.9989	3.276382	15	2600 Hz
11	0.09074	2.30378	1.26	4.1328	12	3200 Hz
12	0.08081	2.05232	1.588	5.20864	9.3	4150 Hz
13	0.07196	1.8288	2.003	6.56984	7.4	5300 Hz
14	0.06408	1.62814	2.525	8.282	5.9	6700 Hz
15	0.05707	1.45034	3.184	10.44352	4.7	8250 Hz
16	0.05082	1.29032	4.016	13.17248	3.7	11 kHz
17	0.04526	1.15062	5.064	16.60992	2.9	13 kHz
18	0.04030	1.02362	6.385	20..9428	2.3	17 kHz
19	0.03589	0.91186	8.051	26.407028	1.8	21 kHz
20	0.03196	0.8128	10.15	33.292	1.5	27 kHz
21	0.02846	0.7239	12.8	41.984	1.2	33 kHz

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22	0.02535	0.64516	16.14	52.9392	0.92	42 kHz
23	0.02257	0.57404	20.36	66.7808	0.729	53 kHz
24	0.02010	0.51054	25.67	84.1976	0.577	68 kHz
25	0.01790	0.45466	32.37	106.1736	0.457	85 kHz
26	0.01594	0.40386	40.81	133.8568	0.361	107 kHz
27	0.01420	0.36068	51.47	168.8216	0.288	130 kHz
28	0.01264	0.32004	64.9	212.872	0.226	170 kHz
29	0.01126	0.28702	81.83	268.4024	0.182	210 kHz
30	0.01002	0.254	103.2	388.496	0.142	270 kHz
31	0.00893	0.22606	130.1	426.728	0.113	340 kHz
32	0.00795	0.2032	164.1	528.248	0.091	430 kHz
33	0.00708	0.18034	206.9	678.632	0.072	540 kHz
34	0.00630	0.16002	260.9	855.752	0.056	690 kHz
35	0.00561	0.14224	329	1079.12	0.044	870 kHz
36	0.00500	0.127	414.8	1360	0.035	1100 kHz
37	0.00445	0.1143	523.1	1715	0.0289	1350 kHz
38	0.00397	0.1016	659.6	2163	0.0228	1750 kHz
39	0.00353	0.0889	831.8	2728	0.0175	2250 kHz
40	0.00314	0.07874	1049	3440	0.0137	2900 kHz
41	0.00280	0.0711	1323	4342		
42	0.00249	0.0633	1669	5475		