



## WIRE GAUGE

AWG or B&S Number	Diameter Inches	Diameter mm	Cross Section Area Square Inches	Cross Section Area Square mm	Cross Section Area Circular Mils
0000	0.4600	11.68	0.1662	107.2	211600
000	0.4096	10.40	0.1318	85.03	167800
00	0.3648	9.266	0.1045	67.43	133100
0	0.3249	8.252	0.08289	53.48	105500
1	0.2893	7.348	0.06573	42.41	83690
2	0.2576	6.543	0.05123	33.63	66370
3	0.2294	5.827	0.04134	26.27	52630
4	0.2043	5.189	0.03278	21.15	41740
5	0.1879	4.620	0.02600	16.77	33100
6	0.1620	4.115	0.02062	13.30	26250
7	0.1443	3.665	0.01635	10.55	20820
8	0.1285	3.264	0.01297	8.366	16510
9	0.1144	2.906	0.01028	6.634	13090
10	0.1019	2.588	0.008156	5.261	10380
11	0.09074	2.305	0.006467	4.172	8234
12	0.08081	2.053	0.005129	3.309	6530
13	0.07196	1.828	0.004067	2.624	5178
14	0.06408	1.628	0.003225	2.081	4107
15	0.05707	1.450	0.002558	1.650	3257
16	0.05082	1.291	0.002028	1.309	2583
17	0.04526	1.150	0.001609	1.038	2048
18	0.04030	1.024	0.001276	0.8231	1600
19	0.03589	0.9116	0.001012	0.6527	1288
20	0.03196	0.8118	0.0008023	0.5176	1022

Table 5: AWG and B&S Diameter and Cross Sectional Areas

Note: This table is for reference only and complete information should be obtained from the appropriate agency.



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21	0.02846	0.7229	0.0006363	0.4105	810.1
22	0.02535	0.6439	0.0005046	0.3256	642.4
23	0.02257	0.5733	0.0004001	0.2582	509.5
24	0.02010	0.5105	0.0003173	0.2047	404.0
25	0.01790	0.4547	0.0002517	0.1624	320.4
26	0.01584	0.4049	0.0001996	0.1288	254.1
27	0.01420	0.3607	0.0001583	0.1021	201.5
28	0.01264	0.3211	0.0001255	0.08098	159.8
29	0.01126	0.2860	0.00009954	0.06422	126.7
30	0.01003	0.2548	0.00007894	0.05093	100.5
31	0.008928	0.2268	0.00006260	0.04039	79.7
32	0.007950	0.2019	0.00004964	0.03023	63.21
33	0.007080	0.1796	0.00003944	0.02545	50.22
34	0.006305	0.1601	0.00003122	0.02014	39.75
35	0.005615	0.1426	0.00002476	0.01597	31.52
36	0.005000	0.1270	0.00001963	0.01267	25.00
37	0.004453	0.1131	0.00001557	0.01005	19.83
38	0.003965	0.1007	0.00001235	0.00797	15.72
39	0.003531	0.0897	0.00000979	0.00632	12.47
40	0.003145	0.0799	0.00000777	0.00501	9.888
41	0.002800	0.0711	0.00000616	0.00397	7.842
42	0.002494	0.0633	0.00000488	0.00315	6.219
43	0.002221	0.0564	0.00000387	0.00250	4.932
44	0.001978	0.0502	0.00000307	0.00198	3.911
45	0.001761	0.0447	0.00000244	0.00157	3.102
46	0.001568	0.0398	0.00000193	0.00125	2.460
47	0.001397	0.0355	0.00000153	0.00099	1.951
48	0.001244	0.0316	0.00000122	0.00078	1.547
49	0.001107	0.0281	0.00000096	0.00062	1.227
50	0.000986	0.0251	0.00000076	0.00049	0.973