

WIRE GAUGE CONVERSION TABLE

GAUGE NO.	AWG (inches)	W & M (inches)	SWG (inches)	BWG (inches)	US STAND. (inches)	SHRINK TUBE (size)	WIRE WRAPS (size)
7/0	.6513	.490	.500		.5000	1" - 3/4"	2" x 1/2"
6/0	.5800	.460	.464		.4688	1" - 3/4" - 1/2"	2" x 1/2"
5/0	.5165	.430	.432		.4375	1" - 3/4"	2" x 1/2"
4/0	.4600	.3938	.400	.454	.4063	1" - 3/4"	2" x 1/2"
3/0	.4096	.3625	.372	.425	.3750	1" - 3/4" - 1/2" - 3/8"	2" x 1/2"
2/0	.3648	.3310	.348	.380	.3438	1" - 3/4" - 1/2" - 3/8"	2" x 1/2"
1/0	.3249	.3065	.324	.340	.3125	3/4" - 1/2" - 3/8"	1" x 1/4"
1	.2893	.2830	.300	.300	.2813	3/4" - 1/2" - 3/8"	1" x 1/4"
2	.2576	.2625	.276	.284	.2656	3/4" - 1/2" - 3/8"	1" x 1/4"
3	.2294	.2437	.252	.259	.2391	1/2" - 3/8" - 1/4"	1" x 1/4"
4	.2043	.2253	.232	.238	.2242	1/2" - 3/8" - 1/4"	1" x 1/4"
5	.1819	.2070	.212	.220	.2092	1/2" - 3/8" - 1/4"	1" x 1/4"
6	.1620	.1920	.192	.203	.1943	1/2" - 3/8" - 1/4"	1" x 1/4"
7	.1443	.1770	.176	.180	.1793	1/2" - 3/8" - 1/4" - 3/16"	1" x 1/4"
8	.1285	.1620	.160	.165	.1644	3/8" - 1/4" - 3/16"	1" x 1/4"
9	.1144	.1483	.144	.148	.1495	3/8" - 1/4" - 3/16"	1" x 1/4"
10	.1019	.1350	.128	.134	.1345	3/8" - 1/4" - 3/16"	1" x 1/4"
11	.0907	.1205	.116	.120	.1196	3/8" - 1/4" - 3/16" - 1/8"	1" x 1/4"
12	.0808	.1055	.104	.109	.1046	1/4" - 3/16" - 1/8"	1" x 1/4"
13	.0719	.0915	.092	.095	.0897	1/4" - 3/16" - 1/8"	1" x 1/4"
14	.0641	.0800	.080	.083	.0747	3/16" - 1/8"	1" x 1/4"
15	.0571	.0720	.072	.072	.0673	3/16" - 1/8"	1" x 1/4"
16	.0508	.0625	.064	.065	.0598	1/8"	1" x 1/4"
17	.04526	.054	.056	.058	.0538	1/8"	1" x 1/4"
18	.04030	.0475	.048	.049	.0478	1/8"	1" x 1/4"
19	.03589	.0410	.040	.042	.0418	1/8"	1" x 1/4"
20	.03196	.0348	.036	.035	.0359		1" x 1/4"
21	.02846	.03175	.032	.032	.0329		1" x 1/4"
22	.02535	.0286	.028	.028	.0299		1" x 1/4"
23	.02257	.0258	.024	.025	.0269		1" x 1/4"
24	.02010	.0230	.022	.022	.0239		1" x 1/4"
25	.01790	.0204	.020	.020	.0209		1" x 1/4"
26	.01594	.0181	.018	.018	.0179		1" x 1/4"
27	.01420	.0173	.0164	.016	.0164		1" x 1/4"
28	.01264	.0162	.0148	.014	.0149		1" x 1/4"
29	.01126	.0150	.0136	.013	.0135		1" x 1/4"
30	.0103	.014	.0124	.012	.0120		1" x 1/4"
31	.00893	.0132	.0116	.010	.0109		1" x 1/4"
32	.00795	.0128	.0108	.009	.0102		1" x 1/4"
33	.00708	.0118	.0100	.008	.0094		1" x 1/4"
34	.00630	.0104	.0092	.007	.0086		1" x 1/4"
35	.00561	.0095	.0084	.005	.0078		1" x 1/4"
36	.00500	.0090	.0076	.004	.0070		1" x 1/4"
37	.00445	.0085	.0068				1" x 1/4"
38	.00396	.0080	.0060				1" x 1/4"
39	.00353	.0075	.0052				1" x 1/4"
40	.00314	.007	.0048				1" x 1/4"
41	.00279	.0066	.0044				1" x 1/4"
42	.00249	.0062	.0040				1" x 1/4"
43	.00221	.0060	.0036				1" x 1/4"
44	.00198	.0058	.0032				1" x 1/4"
45	.00176	.0055	.0028				1" x 1/4"
46	.00157	.0052	.0024				1" x 1/4"
47	.00140	.0050	.0016				1" x 1/4"
48	.00124	.0048	.0012				1" x 1/4"
49	.00111	.0046	.0010				1" x 1/4"
50	.00099	.0044					1" x 1/4"
51	.00088						1" x 1/4"
52	.00078						1" x 1/4"
53	.00070						1" x 1/4"
54	.00060						1" x 1/4"
55	.00050						1" x 1/4"
56	.00040						1" x 1/4"

AWG = American Wire Gauge
(Brown & Sharpe)

W & M = Washburn & Moen
(Steel wire gauge)

SWG = Imperial Standard
Wire Gauge

BWG = Birmingham or Stubs
Wire Gauge

US Stand. = United States
Standard (Revised)

Dimensions are in inches.

*NOTE: Area left blank does
not have values assigned.*