

# Wire Gauge Table

A.W.G. in the table stands for American Wire Gauge (or Brown & Sharpe Wire Gauge).  
 S.W.G. stands for British Standard Wire Gauge. B.W.G. stands for Birmingham Wire Gauge.

Gauge			Diameter	Area	Gauge			Diameter	Area	Gauge			Diameter	Area
A.W.G. (B&S)	SWG	B.W.G.	mm	mm <sup>2</sup>	A.W.G. (B&S)	SWG	B.W.G.	mm	mm <sup>2</sup>	A.W.G. (B&S)	SWG	B.W.G.	mm	mm <sup>2</sup>
-	7/0	5/0	12.700	126.7	-	-	13	2.413	4.573	-	31	-	0.295	0.06819
-	6/0	-	11.786	109.1	-	13	-	2.337	4.289	29	-	-	0.286	0.06422
4/0	-	-	11.684	107.2	11	-	-	2.305	4.172	-	32	-	0.274	0.05908
-	-	4/0	11.532	104.4	-	-	14	2.108	3.491	30	-	-	0.255	0.05097
-	5/0	-	10.973	94.56	12	-	-	2.053	3.309	-	31	31	0.254	0.05067
-	-	3/0	10.795	91.52	-	14	-	2.032	3.243	-	34	-	0.234	0.04289
3/0	-	-	10.404	85.03	-	15	15	1.829	2.627	-	-	32	0.229	0.04104
-	4/0	-	10.160	81.07	13	-	-	1.828	2.624	31	-	-	0.227	0.04039
-	-	2/0	9.652	73.17	-	-	16	1.651	2.141	-	35	-	0.213	0.03575
-	3/0	-	9.449	70.12	14	-	-	1.628	2.081	-	-	33	0.203	0.03243
2/0	-	-	9.266	67.42	-	16	-	1.626	2.075	32	-	-	0.202	0.03203
-	2/0	-	8.839	61.36	-	-	17	1.473	1.705	-	36	-	0.193	0.02927
-	-	1/0	8.636	58.58	15	-	-	1.450	1.650	33	-	-	0.180	0.02540
1/0	-	-	8.252	53.49	-	17	-	1.422	1.589	-	-	34	0.178	0.02483
-	1/0	-	8.230	53.19	16	-	-	1.291	1.309	-	37	-	0.173	0.02343
-	1	1	7.620	45.60	-	-	18	1.245	1.217	34	-	-	0.160	0.02014
1	-	-	7.348	42.41	-	18	-	1.219	1.167	-	38	-	0.152	0.01824
-	-	2	7.214	40.87	17	-	-	1.150	1.037	35	-	-	0.143	0.01597
-	2	-	7.010	38.60	-	-	19	1.067	0.8938	-	39	-	0.132	0.01370
-	-	3	6.579	33.99	18	-	-	1.024	0.8226	36	-	35	0.127	0.01267
2	-	-	6.544	33.63	-	19	-	1.016	0.8107	-	40	-	0.122	0.01167
-	3	-	6.401	32.18	-	20	-	0.914	0.6567	37	-	-	0.113	0.01005
-	-	4	6.045	28.70	19	-	-	0.912	0.6529	-	41	-	0.112	0.009810
-	4	-	5.893	27.27	-	-	20	0.889	0.6207	-	42	36	0.102	0.008107
3	-	-	5.827	26.66	-	21	21	0.813	0.5189	38	-	-	0.101	0.007968
-	-	5	5.588	24.52	20	-	-	0.812	0.5174	-	43	-	0.0914	0.006567
-	5	-	5.385	22.77	21	-	-	0.723	0.4105	39	-	-	0.0897	0.006319
4	-	-	5.189	21.15	-	22	22	0.711	0.3973	-	44	-	0.0813	0.005189
-	-	6	5.156	20.88	22	-	-	0.644	0.3256	40	-	-	0.0799	0.005012
-	6	-	4.877	18.68	-	23	23	0.635	0.3167	41	45	-	0.0711	0.003973
5	-	-	4.621	16.77	-	-	-	0.610	0.2919	42	-	-	0.0633	0.003151
-	-	7	4.572	16.42	23	-	-	0.573	0.2581	-	46	-	0.0610	0.002919
-	7	-	4.470	15.70	-	24	24	0.559	0.2452	43	-	-	0.0564	0.002499
-	-	8	4.191	13.80	24	-	-	0.511	0.2047	-	47	-	0.0508	0.002027
6	-	-	4.115	13.30	-	25	25	0.508	0.2027	44	-	-	0.0502	0.001982
-	8	-	4.064	12.97	-	26	26	0.457	0.1642	45	-	-	0.0447	0.001572
-	-	9	3.759	11.10	25	-	-	0.455	0.1623	-	48	-	0.0406	0.001297
7	-	-	3.665	10.55	-	27	-	0.417	0.1363	46	-	-	0.0398	0.001246
-	9	-	3.658	10.51	-	-	27	0.406	0.1297	47	-	-	0.0355	0.0009884
-	-	10	3.404	9.098	26	-	-	0.405	0.1288	48	-	-	0.0316	0.0007838
8	-	-	3.264	8.368	-	28	-	0.376	0.1110	-	49	-	0.0305	0.0007297
-	10	-	3.251	8.302	27	-	-	0.361	0.1021	49	-	-	0.0281	0.0006216
-	-	11	3.048	7.297	-	-	28	0.356	0.09932	-	50	-	0.0254	0.0005067
-	11	-	2.946	6.818	-	29	-	0.345	0.09372	50	-	-	0.0251	0.0004929
9	-	-	2.906	6.632	-	-	29	0.330	0.08563					
-	-	12	2.769	6.020	28	-	-	0.321	0.08097					
-	12	-	2.642	5.481	-	30	-	0.315	0.07791					
10	-	-	2.588	5.262	-	-	30	0.305	0.07297					