

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			Di ameter	Area	Gauge			Di ameter	Area	Gauge			Di ameter	Area
A. W. G. (B&S)	SWG	B. W. G.	mm	mm ²	A. W. G. (B&S)	SWG	B. W. G.	mm	mm ²	A. W. G. (B&S)	SWG	B. W. G.	mm	mm ²
-	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					

APPROVED