

BWG and SWG dimensions and weights

Birmingham Wire Gauge

Outside Diameter		22		20		18		16		104		12		11		10	
		inch .028	inch .028	inch .035	mm 0.889	inch 0.49	mm 1.244	inch 0.65	mm 1.65	inch 0.83	mm 2.108	inch 0.109	mm 2.768	inch 0.12	mm 3.047	inch 0.134	mm 3.403
inch	mm	lb/ft	k/m	lb/ft	k/m	lb/ft	k/m	lb/ft	k/m	lb/ft	k/m	lb/ft	k/m	lb/ft	k/m	lb/ft	k/m
1/4"	6.350	-	-	0.820	0.122	0.107	0.159	0.130	0.194	-	-	-	-	-	-	-	-
5/16"	7.950	-	-	0.106	0.157	0.14	0.209	0.175	0.260	-	-	-	-	-	-	-	-
3/8"	9.525	-	-	0.129	0.192	0.173	0.258	0.219	0.326	0.263	0.392	-	-	-	-	-	-
1/2"	12.700	0.143	0.213	0.177	0.263	0.240	0.357	0.307	0.457	0.376	0.559	0.362	0.668	0.495	0.737	-	-
5/8"	15.875	0.181	0.270	0.224	0.334	0.306	0.456	0.395	0.558	0.489	0.727	0.61	0.908	0.658	0.979	-	-
3/4"	19.050	-	-	0.271	0.404	0.373	0.555	0.483	0.719	0.601	0.894	0.759	1.13	0.82	1.22	0.894	1.33
7/8"	22.225	0.257	0.383	0.319	0.475	0.439	0.654	0.572	0.851	0.712	1.06	0.907	1.35	0.981	1.46	1.08	1.6
1"	25.400	0.296	0.44	0.367	0.546	0.505	0.752	0.66	0.982	0.826	1.23	1.06	1.57	1.15	1.71	1.26	1.87
1-1/4"	31.750	0.372	0.553	0.462	0.687	0.638	0.95	0.833	1.24	1.06	1.57	1.35	2.01	1.47	2.19	1.63	2.42
1-1/2"	38.100	0.448	0.666	0.556	0.828	0.773	1.15	1.01	1.51	1.28	1.9	1.65	2.45	1.8	2.68	1.99	2.96
1-3/4"	44.450	0.523	0.779	0.652	0.97	0.907	1.35	1.19	1.77	1.51	2.24	1.94	2.89	2.12	3.16	2.35	3.5
2"	50.800	0.599	0.892	0.746	1.110	1.040	1.54	1.36	2.03	1.73	2.57	2.24	3.33	2.45	3.65	2.71	4.04
2-1/2"	63.500	-	-	-	-	1.3	1.94	1.72	2.56	2.18	3.24	2.83	4.21	3.1	4.61	3.44	5.12
3"	76.200	-	-	-	-	1.57	2.34	2.7	3.08	2.63	3.91	3.42	5.09	3.75	5.58	4.17	6.2
3-1/2"	88.900	-	-	-	-	1.83	2.73	2.43	3.61	3.08	4.58	4.01	5.97	4.4	6.55	4.9	7.29
4"	101.600	-	-	-	-	2.1	3.13	2.78	4.13	3.53	5.25	4.6	6.85	5.05	7.52	5.62	8.37

Standard Wire Gauge

Outside Diameter		22		20		18		16		14		12		11		10	
		inch .028	inch 0.711	inch .036	mm 0.914	inch 0.48	mm 1.218	inch 0.64	mm 1.625	inch 0.80	mm 2.032	inch 0.104	mm 2.641	inch 0.116	mm 2.946	inch 0.128	mm 3.251
inch	mm	lb/ft	k/m	lb/ft	k/m	lb/ft	k/m	lb/ft	k/m	lb/ft	k/m	lb/ft	k/m	lb/ft	k/m	lb/ft	k/m
1/4"	6.350	-	-	0.830	0.124	0.105	0.157	0.129	0.192	-	-	-	-	-	-	-	-
5/16"	7.950	-	-	0.108	0.161	0.138	0.205	0.173	0.257	-	-	-	-	-	-	-	-
3/8"	9.525	-	-	0.132	0.197	0.170	0.253	0.216	0.321	0.256	0.381	-	-	-	-	-	-
1/2"	12.700	0.143	0.213	0.181	0.27	0.235	0.35	0.303	0.451	0.365	0.543	0.447	0.665	0.484	0.720	-	-
5/8"	15.875	0.181	0.270	0.230	0.342	0.300	0.447	0.390	0.580	0.473	0.704	0.588	0.875	0.641	0.954	-	-
3/4"	19.050	-	-	0.279	0.415	0.366	0.544	0.476	0.709	0.582	0.866	0.732	1.09	0.800	1.19	0.867	1.29
7/8"	22.225	0.257	0.383	0.328	0.488	0.431	0.641	0.563	0.838	0.692	1.03	0.874	1.3	0.954	1.42	1.04	1.55
1"	25.400	0.296	0.44	0.376	0.56	0.496	0.738	0.65	0.967	0.8	1.19	1.02	1.51	1.12	1.66	1.21	1.8
1-1/4"	31.750	0.372	0.553	0.474	0.706	0.626	0.931	0.827	1.23	1.02	1.51	1.3	1.93	1.43	2.13	1.56	2.32
1-1/2"	38.100	0.448	0.666	0.572	0.851	0.759	1.13	0.994	1.48	1.24	1.84	1.58	2.35	1.74	2.59	1.91	2.84
1-3/4"	44.450	0.523	0.779	0.669	0.996	0.887	1.32	0.650	1.74	1.45	2.16	1.86	2.77	2.06	3.06	2.25	3.35
2"	50.800	0.599	0.892	0.766	1.14	1.02	1.51	1.340	2.000	1.67	2.48	2.14	3.19	2.37	3.53	2.6	3.97
2-1/2"	63.500	-	-	-	-	1.28	1.9	1.69	2.52	2.1	3.13	2.71	4.03	3.000	4.47	3.3	4.91
3"	76.200	-	-	-	-	1.54	2.29	2.000	3.03	2.53	3.77	3.27	4.87	3.63	5.4	3.99	5.94
3-1/2"	88.900	-	-	-	-	1.79	2.67	2.390	3.55	2.97	4.42	3.83	5.7	4.26	6.34	4.68	6.97
4"	101.600	-	-	-	-	2.06	3.06	2.740	4.07	3.41	5.07	4.4	6.54	4.89	7.28	5.38	8.01