

## BWG and SWG dimensions and weights

### Birmingham Wire Gauge

Outside Diameter		22		20		18		16		14		12		11		10	
		inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
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	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
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