

Technical Data

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
		0.028	0.711	0.035	0.889	0.049	1.244	0.065	1.650	0.083	2.108	0.109	2.768	0.120	3.047	0.134	3.403
inch	mm	lb/ft	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft	kg/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	0.140	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	0.610	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	1.130	0.820	1.220	0.894	1.330
7/8"	22.225	0.257	0.383	0.319	0.475	0.439	0.654	0.572	0.851	0.712	1.060	0.907	1.350	0.981	1.460	1.080	1.600
1"	25.400	0.296	0.440	0.367	0.546	0.505	0.752	0.660	0.982	0.826	1.230	1.060	1.570	1.150	1.710	1.260	1.870
1-1/4"	31.750	0.372	0.553	0.462	0.687	0.638	0.950	0.833	1.240	1.060	1.570	1.350	2.010	1.470	2.190	1.630	2.420
1-1/2"	38.100	0.448	0.666	0.556	0.828	0.773	1.150	1.010	1.510	1.280	1.900	1.650	2.450	1.800	2.680	1.990	2.960
1-3/4"	44.450	0.523	0.779	0.652	0.970	0.907	1.350	1.190	1.770	1.510	2.240	1.940	2.890	2.120	3.160	2.350	3.500
2"	50.800	0.599	0.892	0.746	1.110	1.040	1.540	1.360	2.030	1.730	2.570	2.240	3.330	2.450	3.650	2.710	4.040
2-1/2"	63.500	-	-	-	-	1.300	1.940	1.720	2.560	2.180	3.240	2.830	4.210	3.100	4.610	3.440	5.120
3"	76.200	-	-	-	-	1.570	2.340	2.700	3.080	2.630	3.910	3.420	5.090	3.750	5.580	4.170	6.200
3-1/2"	88.900	-	-	-	-	1.830	2.730	2.430	3.610	3.080	4.580	4.010	5.970	4.400	6.550	4.900	7.290
4"	101.600	-	-	-	-	2.100	3.130	2.780	4.130	3.530	5.250	4.600	6.850	5.050	7.520	5.620	8.370

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
		0.028	0.711	0.036	0.914	0.048	1.218	0.064	1.625	0.080	2.032	0.104	2.641	0.116	2.946	0.128	3.251
inch	mm	lb/ft	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft	kg/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	0.270	0.235	0.350	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	1.090	0.800	1.190	0.867	1.290
7/8"	22.225	0.257	0.383	0.328	0.488	0.431	0.641	0.563	0.838	0.692	1.030	0.874	1.300	0.954	1.420	1.040	1.550
1"	25.400	0.296	0.440	0.376	0.560	0.496	0.738	0.650	0.967	0.800	1.190	1.020	1.510	1.120	1.660	1.210	1.800
1-1/4"	31.750	0.372	0.553	0.474	0.706	0.626	0.931	0.827	1.230	1.020	1.510	1.300	1.930	1.430	2.130	1.560	2.320
1-1/2"	38.100	0.448	0.666	0.572	0.851	0.759	1.130	0.994	1.480	1.240	1.840	1.580	2.350	1.740	2.590	1.910	2.840
1-3/4"	44.450	0.523	0.779	0.669	0.996	0.887	1.320	0.650	1.740	1.450	2.160	1.860	2.770	2.060	3.060	2.250	3.350
2"	50.800	0.599	0.892	0.766	1.140	1.020	1.510	1.340	2.000	1.670	2.480	2.140	3.190	2.370	3.530	2.600	3.970
2-1/2"	63.500	-	-	-	-	1.280	1.900	1.690	2.520	2.100	3.130	2.710	4.030	3.000	4.470	3.300	4.910
3"	76.200	-	-	-	-	1.540	2.290	2.000	3.030	2.530	3.770	3.270	4.870	3.630	5.400	3.990	5.940
3-1/2"	88.900	-	-	-	-	1.790	2.670	2.390	3.550	2.970	4.420	3.830	5.700	4.260	6.340	4.680	6.970
4"	101.60	-	-	-	-	2.060	3.060	2.740	4.070	3.410	5.070	4.400	6.540	4.890	7.280	5.380	8.010