

# Stranded Wire Chart (AWG)

AWG	Stranding	Approx. O.D.		Circular Mil Area	Square		Weight Lbs/ 1000 Ft.	Weight KG/KM	D.C. Resistance ohms/ 1000 Ft.	D.C. Resistance ohms/ KM
		Inches	mm		Inches	mm				
36	7/44	.006	.1524	28.00	—	.0143	.085	.126	371.0	1217.18
34	7/42	.0075	.1905	43.75	—	.0223	.132	.196	237.0	777.55
32	7/40	.008	.2032	67.27	.0001	.0343	.203	.302	164.0	538.05
32	19/44	.009	.2286	76.00	.0001	.0388	.230	.342	136.4	447.50
30	7/38	.012	.3048	112.00	.0001	.0571	.339	.504	103.2	338.58
30	19/42	.012	.3048	118.75	.0001	.0606	.359	.534	87.3	286.4 1
28	7/36	.015	.3810	141.75	.0001	.0723	.529	.787	64.9	2 12.92
28	19/40	.016	.4064	182.59	.0001	.0931	.553	.823	56.7	186.02
27	7/35	.018	.4572	219.52	.0002	.1120	.664	.988	54.47	178.71
26	10/36	.021	.5334	250.00	.0002	.1275	.757	1.126	41.48	136.09
26	19/38	.020	.5080	304.00	.0002	.1550	.920	1.369	34.43	112.96
26	7/34	.019	.4826	277.83	.0002	.1417	.841	1.251	37.3	122.37
24	7/32	.024	.6096	448.00	.0004	.2285	1.356	2.018	23.3	76.44
24	10/34	.023	.5824	396.90	.0003	.2024	1.201	1.787	26.09	85.60
24	19/36	.024	.6096	475.00	.0004	.2423	1.430	2.128	21.08	69.16
24	41/40	.023	.5824	384.40	.0003	.1960	1.160	1.726	25.59	83.96
22	7/30	.030	.7620	700.00	.0006	.3570	2.120	3.155	14.74	48.36
22	19/34	.031	.7874	754.11	.0006	.3846	2.280	3.393	13.73	45.05
22	26/36	.030	.7620	650.00	.0005	.3315	1.970	2.932	15.94	52.30
20	10/30	.035	.8890	1000.00	.0008	.5100	3.025	4.502	10.32	33.86
20	19/32	.037	.9398	1216.00	.0010	.6202	3.680	5.476	8.63	28.31
20	26/34	.036	.9144	1031.94	.0008	.5263	3.120	4.643	10.05	32.97
20	41/36	.036	.9144	1025.00	.0008	.5228	3.100	4.613	10.02	32.87
18	7/26	.048	1.2192	1769.60	.0014	.9022	5.360	7.976	5.86	19.23
18	16/30	.047	1.1938	1600.00	.0013	.8160	4.840	7.202	6.48	21.26
18	19/30	.049	1.2446	1900.00	.0015	.9690	5.750	8.557	5.46	17.91
18	41/34	.047	1.1938	1627.29	.0013	.8299	4.920	7.321	6.37	20.90
18	65/36	.047	1.1938	1625.00	.0013	.8288	4.910	7.307	6.39	20.96
16	7/24	.060	1.5240	2828.00	.0022	1.4423	8.560	12.738	3.67	12.04
16	65/34	.059	1.4986	2579.85	.0020	1.3157	7.810	11.622	4.02	13.19
16	26/30	.059	1.4986	2600.00	.0021	1.3260	7.870	11.711	4.00	13.12
16	19/29	.058	1.4732	2426.30	.0019	1.2374	7.350	10.938	4.27	14.01
16	105/36	.059	1.4986	2625.00	.0021	1.3388	7.950	11.830	3.99	13.09
14	7/22	.073	1.8542	4480.00	.0035	2.2848	13.56	20.179	2.31	7.58
14	19/27	.073	1.8542	3830.40	.0030	1.9535	11.59	17.247	2.70	8.86
14	41/30	.073	1.8542	4100.00	.0032	2.0910	12.40	18.452	2.53	8.30
14	105/34	.073	1.8542	4167.50	.0033	2.1254	12.61	18.765	2.49	8.17
12	7/20	.096	2.4384	7 168.0	.0057	3.6557	21.69	32.277	1.45	4.76
12	19/25	.093	2.3698	6087.6	.0048	3.1047	18.43	27.426	1.70	5.58
12	65/30	.095	2.4130	6500.0	.0051	3.3150	19.66	29.256	1.75	5.74
12	165/34	.095	2.4130	6548.9	.0052	3.3399	19.82	29.494	1.58	5.18
10	37/26	.115	2.9210	9353.6	.0074	4.7703	28.31	42.128	1.11	3.64
10	49/27	.116	2.9464	9878.4	.0078	5.0380	29.89	44.479	1.09	3.58
10	105/30	.116	2.9464	10,530.0	.0083	5.3703	31.76	47.262	.98	3.22
8	49/25	.147	3.7338	15,699.6	.0124	8.0068	47.53	70.729	.67	2.20
8	133/29	.147	3.7338	16,984.1	.0134	8.6619	51.42	76.518	.61	2.00
8	655/36	.147	3.7338	16,625.0	.0131	8.4788	49.58	73.780	.62	2.03