



硬銅/軟銅單線 (美國標準 ASTM B1 / ASTM B3)

線號	直徑	公差 (±)	斷面積	重量	最小導電率 20°C (%)	
					硬銅線	軟銅線
AWG	mm	mm	mm ²	kg/km		
4/0	11.7	0.120	107.0	951.2	97.16	100
3/0	10.4	0.100	85.0	755.7	"	"
2/0	9.27	0.093	67.4	599.2	"	"
1/0	8.25	0.083	53.5	475.6	"	"
1	7.35	0.074	42.4	376.9	96.16	"
2	6.54	0.065	33.6	298.7	96.16	100
3	5.83	0.058	26.7	237.4	"	"
4	5.19	0.052	21.2	188.5	"	"
5	4.62	0.046	16.8	149.4	"	"
6	4.12	0.041	13.3	118.2	"	"
7	3.67	0.037	10.5	93.35	96.16	100
8	3.26	0.033	8.37	74.41	"	"
9	2.91	0.029	6.63	58.94	"	"
10	2.59	0.026	5.26	46.76	"	"
11	2.30	0.023	4.17	37.07	"	"
12	2.05	0.021	3.31	29.43	96.16	100
13	1.83	0.018	2.63	23.38	"	"
14	1.63	0.016	2.08	18.49	"	"
15	1.45	0.015	1.65	14.67	"	"
16	1.29	0.013	1.31	11.65	"	"
17	1.15	0.012	1.04	9.246	96.16	100
18	1.02	0.010	0.823	7.316	"	"
19	0.912	0.009	0.654	5.814	—	"
20	0.813	0.008	0.517	4.596	—	"
21	0.724	0.007	0.411	3.654	—	"
22	0.643	0.006	0.324	2.880	—	100
23	0.574	"	0.259	2.303	—	"
24	0.511	0.005	0.205	1.822	—	"
25	0.455	"	0.162	1.440	—	"
26	0.404	0.004	0.128	1.138	—	"
27	0.361	0.004	0.102	0.9068	—	100
28	0.320	0.003	0.0806	0.7165	—	"
29	0.287	"	0.0645	0.5734	—	"
30	0.254	"	0.0507	0.4507	—	"
31	0.226	"	0.0401	0.3565	—	"
32	0.203	0.003	0.0324	0.2880	—	100
33	0.180	"	0.0255	0.2267	—	"
34	0.160	"	0.0201	0.1787	—	"
35	0.142	"	0.0159	0.1414	—	"
36	0.127	"	0.0127	0.1129	—	"
37	0.114	0.003	0.01030	0.09157	—	100
38	0.102	"	0.00811	0.07210	—	"
39	0.089	"	0.00621	0.05521	—	"
40	0.079	"	0.00487	0.04329	—	"



導體電阻 20°C (Ω /km)		最小抗 張強度 (Kg/mm ²) 硬銅線	最小伸長率(%)			線號 AWG
硬銅線	軟銅線		硬銅線		軟銅線	
			254mm	1524mm	254mm	
0.1658	0.1611	34.5	3.75	—	35	4/0
0.2088	0.2028	35.9	3.25	—	"	3/0
0.2633	0.2558	37.1	2.80	—	"	2/0
0.3317	0.3223	38.3	2.40	—	"	1/0
0.4229	0.4066	39.4	2.17	—	30	1
0.5336	0.5131	40.5	1.98	—	30	2
0.6715	0.6457	41.5	1.79	—	"	3
0.8458	0.8133	42.3	—	1.24	"	4
1.067	1.026	43.0	—	1.18	"	5
1.348	1.296	43.7	—	1.14	"	6
1.708	1.642	44.3	—	1.09	30	7
2.142	2.060	44.8	—	1.06	"	8
2.704	2.600	45.2	—	1.02	"	9
3.409	3.278	45.6	—	1.00	25	10
4.300	4.134	46.0	—	0.97	"	11
5.417	5.209	46.2	—	0.95	25	12
6.817	6.556	46.3	—	0.92	"	13
8.620	8.289	46.5	—	0.90	"	14
10.87	10.45	46.7	—	0.89	"	15
13.69	13.16	46.8	—	0.87	"	16
17.24	16.58	47.0	—	0.86	25	17
21.79	20.95	47.1	—	0.85	"	18
—	26.36	—	—	—	"	19
—	33.35	—	—	—	"	20
—	41.95	—	—	—	"	21
—	53.21	—	—	—	25	22
—	66.57	—	—	—	"	23
—	84.10	—	—	—	20	24
—	106.4	—	—	—	"	25
—	134.7	—	—	—	"	26
—	169.0	—	—	—	20	27
—	213.9	—	—	—	"	28
—	267.3	—	—	—	"	29
—	340.0	—	—	—	15	30
—	430.0	—	—	—	"	31
—	532.0	—	—	—	15	32
—	676.1	—	—	—	"	33
—	857.8	—	—	—	"	34
—	1,084.0	—	—	—	"	35
—	1,358.0	—	—	—	"	36
—	1,674.0	—	—	—	15	37
—	2,126.0	—	—	—	"	38
—	2,776.0	—	—	—	"	39
—	3,540.0	—	—	—	"	40