



鍍錫硬銅/鍍錫軟銅單線 (美國標準 ASTM B246 / ATSM B33)

線號	直徑	公差 mm		截面積	重量	最小導電率 20°C (%)	
AWG	mm	+	-	mm ²	kg/km	硬銅線	軟銅線
4/0	11.7	0.35	0.12	107.0	951.2	—	97.66
3/0	10.4	0.31	0.10	85.0	755.7	—	"
2/0	9.27	0.28	0.093	67.4	599.2	—	"
1/0	8.25	0.25	0.083	53.5	475.6	—	"
1	7.35	0.22	0.074	42.4	376.9	—	97.16
2	6.54	0.20	0.065	33.6	298.7	—	97.16
3	5.83	0.17	0.058	26.7	237.4	—	"
4	5.19	0.16	0.052	21.2	188.5	92.72	"
5	4.62	0.14	0.046	16.8	149.4	"	"
6	4.12	0.12	0.041	13.3	118.2	"	"
7	3.67	0.11	0.037	10.5	93.35	92.72	97.16
8	3.26	0.098	0.033	8.37	74.41	"	"
9	2.91	0.087	0.029	6.63	58.94	"	"
10	2.59	0.078	0.026	5.26	46.76	91.96	96.16
11	2.30	0.069	0.023	4.17	37.07	"	"
12	2.05	0.062	0.021	3.31	29.43	91.96	96.16
13	1.83	0.055	0.018	2.63	23.38	"	"
14	1.63	0.049	0.016	2.08	18.49	"	"
15	1.45	0.044	0.015	1.65	14.67	"	"
16	1.29	0.039	0.013	1.31	11.65	"	"
17	1.15	0.035	0.012	1.04	9.246	—	96.16
18	1.02	0.031	0.010	0.823	7.316	—	"
19	0.912	0.027	0.009	0.654	5.814	—	"
20	0.813	0.024	0.008	0.517	4.596	—	"
21	0.724	0.022	0.007	0.411	3.654	—	"
22	0.643	0.019	0.006	0.324	2.880	—	96.16
23	0.574	0.017	0.006	0.259	2.303	—	"
24	0.511	0.015	0.005	0.205	1.822	—	"
25	0.455	0.014	"	0.162	1.440	—	94.16
26	0.404	0.012	0.004	0.128	1.138	—	"
27	0.361	0.011	"	0.102	0.9068	—	94.16
28	0.320	0.010	0.003	0.0806	0.7165	—	"
29	0.287	0.009	"	0.0645	0.5734	—	"
30	0.254	0.008	"	0.0507	0.4507	—	93.15
31	0.226	"	"	0.0401	0.3565	—	"
32	0.203	0.008	0.003	0.0324	0.2880	—	93.15
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	0.008	0.003	0.01030	0.09157	—	93.15
38	0.102	"	"	0.00811	0.07210	—	"
39	0.089	"	"	0.00621	0.05521	—	"
40	0.079	"	"	0.00487	0.04329	—	"



最大導體電阻(20°C) Ω/km		抗張強度(最小值) kg/mm ² 硬銅線	最小伸長率%		線號 AWG
硬銅線	軟銅線		硬銅線 (1524mm)	軟銅線 (254mm)	
—	0.1650	—	—	30	4/0
—	0.2077	—	—	"	3/0
—	0.2619	—	—	"	2/0
—	0.3300	—	—	"	1/0
—	0.4185	—	—	25	1
—	0.5281	—	—	25	2
—	0.6646	—	—	"	3
0.8771	0.8370	38.1	1.24	"	4
1.107	1.056	38.9	1.18	"	5
1.398	1.334	39.4	1.14	"	6
1.771	1.690	40.0	1.09	25	7
2.222	2.120	40.4	1.06	"	8
2.805	2.676	40.8	1.02	"	9
3.564	3.409	41.2	1.00	20	10
4.496	4.300	41.5	0.97	"	11
5.664	5.417	41.7	0.95	20	12
7.129	6.817	41.8	0.92	"	13
9.013	8.620	42.0	0.90	"	14
11.36	10.87	42.2	0.89	"	15
14.31	13.69	"	0.87	"	16
—	17.24	—	—	20	17
—	21.79	—	—	"	18
—	27.41	—	—	"	19
—	34.68	—	—	"	20
—	43.63	—	—	"	21
—	55.34	—	—	20	22
—	69.22	—	—	"	23
—	87.46	—	—	15	24
—	113.0	—	—	"	25
—	143.1	—	—	"	26
—	179.5	—	—	15	27
—	227.2	—	—	"	28
—	283.9	—	—	"	29
—	365.0	—	—	10	30
—	461.6	—	—	"	31
—	571.3	—	—	10	32
—	725.8	—	—	"	33
—	920.8	—	—	"	34
—	1,164.0	—	—	"	35
—	1,457.0	—	—	"	36
—	1,797.0	—	—	10	37
—	2,282.0	—	—	"	38
—	2,981.0	—	—	"	39
—	3,801.0	—	—	"	40