

硬銅絞線 軟銅絞線 STRANDED HARD-DRAWN AND SOFT COPPER CONDUCTORS

ASTM B8

導體規格 Conductor Size	導體構造 Conductor Construction Class			絞合外徑 Nominal Diameter , Class			截面積 Cross Sectional Area	重量 Weight	最大導體電阻 Resistance 20°C Max.	
	AA	A	B	AA	A	B			軟 Soft	硬 Hard
MCM or AWG	No./mm	No./mm	No./mm	mm	mm	mm	mm ²	kg/km	Ω/km	Ω/km
5000	—	169/4.37	217/3.86	—	65.5	65.6	2,534	23,650	0.007144	0.007431
3000	—	127/3.91	169/3.38	—	50.7	50.7	1,520	13,920	0.01168	0.01215
2500	—	91/4.21	127/3.56	—	46.3	46.3	1,266	11,600	0.01403	0.01458
2000	—	91/3.77	127/3.19	—	41.4	41.5	1,014	9,190	0.01734	0.01804
1750	—	91/3.53	127/2.98	—	38.8	38.8	886.5	8,041	0.01984	0.02063
1500	—	61/3.98	91/3.26	—	35.8	35.9	760.0	6,892	0.02314	0.02406
1250	—	61/3.64	91/2.98	—	32.7	32.7	633.4	5,743	0.02777	0.02888
1000	37/4.18	61/3.25	61/3.25	29.2	29.3	29.3	506.7	4,595	0.03471	0.03609
800	37/3.73	61/2.91	61/2.91	26.1	26.2	26.2	405.4	3,676	0.04338	0.04511
750	37/3.62	61/2.82	61/2.82	25.3	25.3	25.3	380.0	3,447	0.04627	0.04811
700	37/3.49	61/2.72	61/2.72	24.5	24.5	24.5	354.7	3,216	0.04958	0.05156
600	37/3.23	37/3.23	61/2.52	22.6	22.6	22.7	304.0	2,758	0.05785	0.06016
500	19/4.12	37/2.95	37/2.95	20.6	20.7	20.7	253.4	2,298	0.06940	0.07217
400	19/3.69	19/3.69	37/2.64	18.4	18.4	18.5	202.7	1,838	0.08676	0.09022
350	12/4.34	19/3.45	37/2.47	18.0	17.2	17.3	177.4	1,609	0.09913	0.1031
300	12/4.02	19/3.19	37/2.29	16.7	16.0	16.0	152.0	1,378	0.1157	0.1204
250	12/3.67	19/2.91	37/2.09	15.2	14.6	14.6	126.6	1,148	0.1389	0.1445
4/0	7/4.42	7/4.42	19/2.68	13.3	13.3	13.4	107.2	972.2	0.1641	0.1706
3/0	7/3.93	7/3.93	19/2.39	11.8	11.8	11.9	85.03	771.0	0.2068	0.2151
2/0	7/3.50	7/3.50	19/2.13	10.5	10.5	10.6	67.42	611.5	0.2608	0.2712
1/0	7/3.12	7/3.12	19/1.89	9.35	9.35	9.47	53.48	484.8	0.3288	0.3421
1	3/4.24	—	—	9.14	—	—	42.41	380.8	0.4106	0.4270
1	—	7/2.78	19/1.69	—	8.33	8.43	42.41	384.5	0.4147	0.4313
2	7/3.78	—	—	8.13	—	—	33.63	301.9	0.5179	0.5386
2	—	7/2.47	7/2.47	—	7.42	7.42	33.63	304.9	0.5230	0.5439
3	3/3.37	—	—	7.24	—	—	26.67	239.4	0.6532	0.6792
3	—	7/2.20	7/2.20	—	6.6	6.60	26.67	241.8	0.6594	0.6858
4	3/3.00	—	—	6.45	—	—	21.15	189.9	0.8234	0.8563
4	—	7/1.96	7/1.96	—	5.89	5.89	21.15	191.8	0.8315	0.8647
5	—	—	7/1.75	—	—	5.23	16.77	152.1	1.049	1.0900
6	—	—	7/1.56	—	—	4.67	13.30	120.6	1.322	1.3750
7	—	—	7/1.38	—	—	4.17	10.55	95.66	1.667	1.7330
8	—	—	7/1.24	—	—	3.71	8.368	75.85	2.102	2.1870
9	—	—	7/1.10	—	—	3.30	6.632	60.15	2.652	2.7570
10	—	—	7/0.98	—	—	2.95	5.261	47.71	3.343	3.4760
12	—	—	7/0.78	—	—	2.32	3.309	30.00	5.315	—
14	—	—	7/0.62	—	—	1.84	2.081	18.87	8.451	—
16	—	—	7/0.49	—	—	1.46	1.308	11.87	13.45	—
18	—	—	7/0.39	—	—	1.16	0.823	7.463	21.37	—
20	—	—	7/0.31	—	—	0.922	0.518	4.694	33.95	—