



鍍錫硬銅/鍍錫軟銅絞線 (美國標準 ATSM B8)

線號 AWG 或 MCM	截面積 mm ²	構成 No./mm				外徑 mm	標準 重量 kg/km	
		Class A	Class B	Class C	Class D			
AWG	20	0.519	—	7/0.307	19/0.185	—	0.914	4.705
	18	0.823	—	7/0.386	19/0.234	—	1.17	7.462
	16	1.31	—	7/0.488	19/0.297	—	1.47	11.86
	14	2.08	—	7/0.615	19/0.373	37/0.267	1.85	18.88
	13	2.63	—	7/0.691	19/0.419	37/0.300	2.08	23.82
	12	3.31	—	7/0.775	19/0.470	37/0.338	2.34	30.00
	11	4.17	—	7/0.871	19/0.528	37/0.378	2.62	37.80
	10	5.261	—	7/0.978	19/0.594	37/0.424	2.95	47.71
	9	6.631	—	7/1.10	19/0.665	37/0.478	3.30	60.14
	8	8.367	—	7/1.23	19/0.749	37/0.536	3.70	75.90
	7	10.55	—	7/1.39	19/0.841	37/0.602	4.16	95.7
	6	13.30	—	7/1.56	19/0.945	37/0.676	4.67	121.0
	5	16.77	—	7/1.75	19/1.06	37/0.759	5.24	152.0
	4	21.15	7/1.96	7/1.96	19/1.19	37/0.853	5.58	192.0
	3	26.67	7/2.20	7/2.20	19/1.34	37/0.958	6.61	242.0
	2	33.62	7/2.47	7/2.47	19/1.50	37/1.08	7.42	305.0
	1	42.41	7/2.78	19/1.69	37/1.21	61/0.94	8.43	385.0
	1/0	53.49	7/3.12	19/1.89	37/1.36	61/1.06	9.46	485.0
	2/0	67.43	7/3.50	19/2.13	37/1.52	61/1.19	10.6	611.0
3/0	85.01	7/3.93	19/2.39	37/1.71	61/1.33	11.9	771.0	
4/0	107.2	7/4.42	19/2.68	37/1.92	61/1.50	13.4	972.0	
MCM	250	127.0	19/2.91	37/2.09	61/1.63	91/1.33	14.6	1,150.0
	300	152.0	19/3.19	37/2.29	61/1.78	91/1.46	16.0	1,380.0
	350	177.0	19/3.45	37/2.47	61/1.92	91/1.57	17.3	1,610.0
	400	203.0	19/3.69	37/2.64	61/2.06	91/1.68	18.5	1,840.0
	450	228.0	37/2.80	37/2.80	61/2.18	91/1.79	19.6	2,070.0
	500	253.0	37/2.95	37/2.95	61/2.30	91/1.88	20.7	2,298.0
	550	279.0	37/3.10	61/2.41	91/1.97	127/1.67	21.7	2,527.0
	600	304.0	37/3.23	61/2.52	91/2.06	127/1.74	22.7	2,758.0
	650	329.0	61/2.62	61/2.62	91/2.15	127/1.82	23.7	2,987.0
	700	355.0	61/2.72	61/2.72	91/2.23	127/1.88	24.5	3,216.0
	750	380.0	61/2.82	61/2.82	91/2.31	127/1.95	25.4	3,447.0
800	405.0	61/2.91	61/2.91	91/2.38	127/2.02	26.2	3,676.0	
900	456.0	61/3.09	61/3.09	91/2.53	127/2.14	27.8	4,136.0	
1,000	507.0	61/3.25	61/3.25	91/2.66	127/2.25	29.3	4,596.0	



最大直流電阻 20°C (Ω / km)								線號
硬銅線				軟銅線				AWG 或
Class A	Class B	Class C	Class D	Class A	Class B	Class C	Class D	MCM
—	—	—	—	—	36.72	37.12	—	20
—	—	—	—	—	23.15	23.43	—	18
—	—	—	—	—	14.59	14.52	—	16
—	—	—	—	—	8.956	9.154	9.253	14
—	—	—	—	—	7.099	7.247	7.247	13
—	—	—	—	—	5.641	5.763	5.763	12
—	—	—	—	—	4.478	4.478	4.571	11
—	—	—	—	—	3.546	3.546	3.620	10
—	—	—	—	—	2.813	2.813	2.873	9
—	—	—	—	—	2.230	2.230	2.230	8
—	1.849	—	—	—	1.768	1.768	1.768	7
—	1.466	—	—	—	1.403	1.403	1.403	6
—	1.164	—	—	—	1.113	1.113	1.113	5
0.9223	0.9223	—	—	0.8820	0.8820	0.8820	0.8820	4
0.7315	0.7315	0.7315	—	0.6996	0.6996	0.6996	0.6996	3
0.5801	0.5801	0.5801	—	0.5548	0.5548	0.5548	0.5548	2
0.4562	0.4600	—	—	0.4354	0.4398	0.4398	0.4398	1
0.3617	0.3647	0.3647	—	0.3452	0.3487	0.3487	0.3487	1/0
0.2869	0.2893	0.2893	—	0.2738	0.2766	0.2766	0.2766	2/0
0.2276	0.2295	0.2295	0.2295	0.2172	0.2194	0.2194	0.2194	3/0
0.1804	0.1804	0.1819	0.1819	0.1722	0.1722	0.1740	0.1740	4/0
0.1527	0.1540	0.1540	0.1540	0.1457	0.1473	0.1473	0.1473	250
0.1273	0.1283	0.1283	0.1283	0.1215	0.1227	0.1227	0.1227	300
0.1091	0.1100	0.1100	0.1100	0.1041	0.1052	0.1052	0.1052	350
0.09545	0.09545	0.09624	0.09624	0.09109	0.09109	0.09204	0.09204	400
0.08485	0.08485	0.08555	0.08555	0.08097	0.08097	0.08181	0.08181	450
0.07636	0.07636	0.07699	0.07699	0.07287	0.07287	0.07363	0.07363	500
0.06942	0.06999	0.06999	0.06999	0.06624	0.06693	0.06693	0.06693	550
0.06363	0.06415	0.06415	0.06415	0.06072	0.06135	0.06135	0.06135	600
0.05874	0.05874	0.05923	0.05923	0.05606	0.05606	0.05664	0.05664	650
0.05454	0.05454	0.05499	0.05499	0.05205	0.05205	0.05259	0.05259	700
0.05091	0.05091	0.05133	0.05133	0.04858	0.04858	0.04909	0.04909	750
0.04772	0.04772	0.04812	0.04812	0.04554	0.04554	0.04601	0.04601	800
0.04242	0.04242	0.04277	0.04277	0.04048	0.04048	0.04090	0.04090	900
0.03818	0.03818	0.03818	0.03850	0.03643	0.03643	0.03643	0.03682	1,000