

表格中的數據包括各種導線的阻抗和允許電流大小（安培）。表中的直徑數值適用於實心電線。雙絞線應當根據銅線橫截面面積進行計算。下面的表格適用於直流情況，或者頻率小於等於 60 赫茲的情況，也沒有考慮集膚效應。

AWG	直徑		Turns of wire, without insulation		截面積		銅線								
							銅阻抗		載流量, at 20°C insulation material temperature rating, or 16 AWG and smaller for single unbundled wires in equipment:			Fusing current			
									60 °C	75 °C	90 °C	Preece	Onderdonk		
									(A)			~10 s	1 s	32 ms	
(in)	(mm)	(per in)	(per cm)	(kcmil)	(mm ²)	(mΩ/m)	(mΩ/ft)								
0000 (4/0)	0.4600[a]	11.684[a]	2.17	0.856	212	107	0.1608	0.04901	195	230	260	3.2 kA	33 kA	182 kA	
000 (3/0)	0.4096	10.405	2.44	0.961	168	85	0.2028	0.0618	165	200	225	2.7 kA	26 kA	144 kA	
00 (2/0)	0.3648	9.266	2.74	1.08	133	67.4	0.2557	0.07793	145	175	195	2.3 kA	21 kA	115 kA	
0 (1/0)	0.3249	8.251	3.08	1.21	106	53.5	0.3224	0.09827	125	150	170	1.9 kA	16 kA	91 kA	
1	0.2893	7.348	3.46	1.36	83.7	42.4	0.4066	0.1239	110	130	145	1.6 kA	13 kA	72 kA	
2	0.2576	6.544	3.88	1.53	66.4	33.6	0.5127	0.1563	95	115	130	1.3 kA	10.2 kA	57 kA	
3	0.2294	5.827	4.36	1.72	52.6	26.7	0.6465	0.197	85	100	115	1.1 kA	8.1 kA	45 kA	
4	0.2043	5.189	4.89	1.93	41.7	21.2	0.8152	0.2485	70	85	95	946 A	6.4 kA	36 kA	
5	0.1819	4.621	5.5	2.16	33.1	16.8	1.028	0.3133				795 A	5.1 kA	28 kA	
6	0.162	4.115	6.17	2.43	26.3	13.3	1.296	0.3951	55	65	75	668 A	4.0 kA	23 kA	
7	0.1443	3.665	6.93	2.73	20.8	10.5	1.634	0.4982				561 A	3.2 kA	18 kA	
8	0.1285	3.264	7.78	3.06	16.5	8.37	2.061	0.6282	40	50	55	472 A	2.5 kA	14 kA	
9	0.1144	2.906	8.74	3.44	13.1	6.63	2.599	0.7921				396 A	2.0 kA	11 kA	
10	0.1019	2.588	9.81	3.86	10.4	5.26	3.277	0.9989	30	35	40	333 A	1.6 kA	8.9 kA	
11	0.0907	2.305	11	4.34	8.23	4.17	4.132	1.26				280 A	1.3 kA	7.1 kA	
12	0.0808	2.053	12.4	4.87	6.53	3.31	5.211	1.588	20	25	30	235 A	1.0 kA	5.6 kA	
13	0.072	1.828	13.9	5.47	5.18	2.62	6.571	2.003				198 A	798 A	4.5 kA	
14	0.0641	1.628	15.6	6.14	4.11	2.08	8.286	2.525	15	20	25	166 A	633 A	3.5 kA	
15	0.0571	1.45	17.5	6.9	3.26	1.65	10.45	3.184				140 A	502 A	2.8 kA	
16	0.0508	1.291	19.7	7.75	2.58	1.31	13.17	4.016	22* 流通空氣	13* 密閉	18	117 A	398 A	2.2 kA	
17	0.0453	1.15	22.1	8.7	2.05	1.04	16.61	5.064				99 A	316 A	1.8 kA	
18	0.0403	1.024	24.8	9.77	1.62	0.823	20.95	6.385	10	14	16	83 A	250 A	1.4 kA	
19	0.0359	0.912	27.9	11	1.29	0.653	26.42	8.051	—	—	—	70 A	198 A	1.1 kA	
20	0.032	0.812	31.3	12.3	1.02	0.518	33.31	10.15	11	7.5	—	58.5 A	158 A	882 A	
21	0.0285	0.723	35.1	13.8	0.81	0.41	42	12.8	—	—	—	49 A	125 A	700 A	
22	0.0253	0.644	39.5	15.5	0.642	0.326	52.96	16.14	7	5	—	41 A	99 A	551 A	
23	0.0226	0.573	44.3	17.4	0.509	0.258	66.79	20.36	—	—	—	35 A	79 A	440 A	
24	0.0201	0.511	49.7	19.6	0.404	0.205	84.22	25.67	3.5	2.1	—	29 A	62 A	348 A	
25	0.0179	0.455	55.9	22	0.32	0.162	106.2	32.37	—	—	—	24 A	49 A	276 A	
26	0.0159	0.405	62.7	24.7	0.254	0.129	133.9	40.81	2.2	1.3	—	20 A	39 A	218 A	
27	0.0142	0.361	70.4	27.7	0.202	0.102	168.9	51.47	—	—	—	17 A	31 A	174 A	
28	0.0126	0.321	79.1	31.1	0.16	0.081	212.9	64.9	1.4	0.85	—	14 A	24 A	137 A	
29	0.0113	0.286	88.8	35	0.127	0.0642	268.5	81.84	—	—	—	12:00 AM	20 A	110 A	
30	0.01	0.255	99.7	39.3	0.101	0.0509	338.6	103.2	0.86	0.52	—	10:00 AM	15 A	86 A	
31	0.00893	0.227	112	44.1	0.0797	0.0404	426.9	130.1	—	—	—	09:00 AM	12:00 AM	69 A	
32	0.00795	0.202	126	49.5	0.0632	0.032	538.3	164.1	0.53	0.3	—	07:00 AM	10:00 AM	54 A	
33	0.00708	0.18	141	55.6	0.0501	0.0254	678.8	206.9	—	—	—	06:00 AM	7.7 A	43 A	
34	0.0063	0.16	159	62.4	0.0398	0.0201	856	260.9	0.3	0.18	—	05:00 AM	6.1 A	34 A	
35	0.00561	0.143	178	70.1	0.0315	0.016	1079	329	—	—	—	04:00 AM	4.8 A	27 A	
36	0.005	0.127[a]	200[a]	78.7	0.025	0.0127	1361	414.8	—	—	—	04:00 AM	3.9 A	22 A	
37	0.00445	0.113	225	88.4	0.0198	0.01	1716	523.1	—	—	—	03:00 AM	3.1 A	17 A	
38	0.00397	0.101	252	99.3	0.0157	0.00797	2164	659.6	—	—	—	03:00 AM	2.4 A	14 A	
39	0.00353	0.0897	283	111	0.0125	0.00632	2729	831.8	—	—	—	02:00 AM	1.9 A	11:00 AM	
40	0.00314	0.0799	318	125	0.00989	0.00501	3441	1049	—	—	—	01:00 AM	1.5 A	8.5 A	

ps refer to: <https://zh.wikipedia.org/wiki/美國線規> #AWG 尺寸對照表
線規與載流量以及趨膚效應的關係: http://www.powerstream.com/Wire_Size.htm