Wire Gauge Chart — AWG

American Wire Gauge: diameter, cross-section, resistance and NEC ampacity for copper and aluminium at each temperature rating.

AWG	INCH	MM	MM²	CMIL	Ω/KFT	COPPER AMPACITY			ALUMINIUM AMPACITY		
						60 °C	75 °C	90 °C	60 °C	75 °C	90 °C
24	0.0201	0.51	0.21	404	25.67	—	—	—	—	—	—
22	0.0253	0.64	0.32	640	16.14	—	—	—	—	—	—
20	0.0320	0.81	0.52	1,020	10.15	—	—	—	—	—	—
18	0.0403	1.02	0.82	1,620	7.95	—	—	14	—	—	—
16	0.0508	1.29	1.31	2,580	4.99	—	—	18	—	—	—
14	0.0641	1.63	2.08	4,110	3.14	15	20	25	—	—	—
12	0.0808	2.05	3.31	6,530	1.98	20	25	30	15	20	25
10	0.1019	2.59	5.26	10,380	1.24	30	35	40	25	30	35
8	0.1285	3.26	8.37	16,510	0.778	40	50	55	35	40	45
6	0.1620	4.11	13.30	26,240	0.491	55	65	75	40	50	55
4	0.2043	5.19	21.15	41,740	0.308	70	85	95	55	65	75
3	0.2294	5.83	26.70	52,620	0.245	85	100	115	65	75	85
2	0.2576	6.54	33.60	66,360	0.194	95	115	130	75	90	100
1	0.2893	7.35	42.40	83,690	0.154	110	130	145	85	100	115
1/0	0.3249	8.25	53.50	105,600	0.122	125	150	170	100	120	135
2/0	0.3648	9.27	67.40	133,100	0.0967	145	175	195	115	135	150
3/0	0.4096	10.40	85.00	167,800	0.0766	165	200	225	130	155	175
4/0	0.4600	11.68	107.20	211,600	0.0608	195	230	260	150	180	205

Ampacities are NEC Table 310.16 for copper, not more than three current-carrying conductors in a raceway, ambient 30 °C. Correction factors apply above that and for more than three conductors. The 60 °C column governs most terminations at 100 A and below.