

Copper Wire Size Chart by AWG

This copper wire size chart compares common AWG sizes with their diameter, cross-sectional area, and approximate ampacity. It provides a quick reference for selecting the right copper wire for electrical installations, helping users balance current capacity, efficiency, and safety across residential, commercial, and light industrial applications.

AWG	Diameter (mm)	Area (mm²)	Approx. Ampacity
18	1.02	0.82	10 A
16	1.29	1.31	13 A
14	1.63	2.08	15 A
12	2.05	3.31	20 A
10	2.59	5.26	30 A
8	3.26	8.37	40 A
6	4.11	13.30	55 A
4	5.19	21.20	70 A
2	6.54	33.60	95 A
1/0	8.25	53.50	150 A