

Electrical Wire Size Chart Explained

Wire Size (AWG)	Maximum Amp Rating	Common Applications
14 AWG	15 Amps	Lighting circuits
12 AWG	20 Amps	General outlets
10 AWG	30 Amps	Electric water heaters
8 AWG	40–55 Amps	Air conditioners
6 AWG	55–75 Amps	Electric ranges
4 AWG	70–95 Amps	Subpanels
2 AWG	95–130 Amps	Main feeders
1/0 AWG	125–170 Amps	Service entrances