

Welding Cable Size Chart

Choosing the correct welding cable size helps maintain safe current flow, reduces voltage drop, and improves welding performance. This chart provides recommended cable sizes based on welding amperage and total cable length, making it easier to select an appropriate cable for efficient, reliable, and consistent welding operations.

Welding Amperage	Total Cable Length	Recommended Cable Size
Up to 100 Amps	25 ft	6 AWG
Up to 150 Amps	50 ft	4 AWG
Up to 200 Amps	75 ft	2 AWG
Up to 250 Amps	100 ft	1 AWG
Up to 300 Amps	125 ft	1/0 AWG
Up to 400 Amps	150 ft	2/0 AWG
Up to 500 Amps	200 ft	3/0–4/0 AWG