

## Suggested Minimum Copper Welding Cable Size

Welding Current (AMPS)	Cable Size (AWG) for Combined Lengths and Ground Cable				
	50 ft. (164m)	100 ft. (328m)	150 ft. (492m)	200 ft. (656m)	250 ft. (820m)
100	4	4	4	2	2
150	4	4	2	1	1/0
200	2	2	1	1/0	2/0
250	2	2	1/0	2/0	3/0
300	1	1	2/0	3/0	4/0
350	1/0	1/0	3/0	4/0	250
400	2/0	2/0	3/0	250	350
500	3/0	4/0	4/0	350	350
600	4/0	4/0	250	350	500

*Note: Ampacities are based on 105°C conductor temp., 40°C ambient air / 50% duty cycle and approximate voltage drop of 4V at 25°C conductor temp. or 5VB at 105°C conductor temp*