Wire Gauge Amp Chart

Wire gauge amp chart: copper and aluminum, 14 AWG to 4/0

Allowable current by insulation temperature rating. Small copper wire is also limited by its overcurrent protection: 15 A for 14 AWG, 20 A for 12 AWG and 30 A for 10 AWG.

Wire size	Copper 60°C (A)	Copper 75°C (A)	Copper 90°C (A)	Aluminum 60°C (A)	Aluminum 75°C (A)	Aluminum 90°C (A)
14 AWG	15	20	25	—	—	—
12 AWG	20	25	30	—	20	25
10 AWG	30	35	40	—	30	35
8 AWG	40	50	55	35	40	45
6 AWG	55	65	75	40	50	55
4 AWG	70	85	95	55	65	75
3 AWG	85	100	115	—	75	85
2 AWG	95	115	130	75	90	100
1 AWG	110	130	145	85	100	115
1/0	125	150	170	100	120	135
2/0	145	175	195	115	135	150
3/0	165	200	225	130	155	175
4/0	195	230	260	150	180	205

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