AWG WIRE GAUGE CHART · BUILDING WIRE

Wire gauge sizes, 14 AWG to 4/0

Gauge	Diameter (in)	Diameter (mm)	Circular mils	Area (mm²)	Cu ampacity 75°C
14 AWG	0.0641 in	1.63 mm	4,110	2.08 mm²	20
12 AWG	0.0808 in	2.05 mm	6,530	3.31 mm²	25
10 AWG	0.1019 in	2.59 mm	10,380	5.26 mm²	35
8 AWG	0.1285 in	3.26 mm	16,510	8.37 mm²	50
6 AWG	0.1620 in	4.12 mm	26,240	13.30 mm²	65
4 AWG	0.2043 in	5.19 mm	41,740	21.15 mm²	85
3 AWG	0.2294 in	5.83 mm	52,620	26.67 mm²	100
2 AWG	0.2576 in	6.54 mm	66,360	33.63 mm²	115
1 AWG	0.2893 in	7.35 mm	83,690	42.41 mm²	130
1/0 AWG	0.3249 in	8.25 mm	105,600	53.48 mm²	150
2/0 AWG	0.3648 in	9.27 mm	133,100	67.43 mm²	175
3/0 AWG	0.4096 in	10.40 mm	167,800	85.03 mm²	200
4/0 AWG	0.4600 in	11.68 mm	211,600	107.22 mm²	230

Bare conductor diameter from the AWG formula; circular mils from NEC Ch. 9, Table 8; ampacity from Table 310.16, copper, 75°C.

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