

# Comparison of Conductor Sizes

American Wire Gauge	Area of AWG Conductor	Nearest STD Metric Conductor
AWG	mm <sup>2</sup>	mm <sup>2</sup>
22	0.35	0.5
20	0.52	0.5
18	0.82	1
16	1.31	1.5
14	2.08	2.5
12	3.31	4
10	5.26	6
8	8.37	10
6	13.3	16
4	21.15	25
2	33.62	35
1	42.41	50
1/0	53.49	50
2/0	67.43	70
3/0	85.01	95
4/0	107.2	120
250mcm	126.7	120
300mcm	152	150
350mcm	177.3	185
400mcm	202.7	240
500mcm	253.4	240
600mcm	304	300
750mcm	380	400
800mcm	405.4	400
1000mcm	506.7	500
1250mcm	633.4	630

mcm = circular mils x 1000

In marginal cases where the nearest metric size is smaller than the equivalent AWG it should be ascertained that it is acceptable to employ a reduced conductor size and that the full current rating of the circuit can be maintained.