

Comparison of Conductor Sizes

American Wire Gauge AWG	Area of AWG Conductor mm ²	Nearest STD Metric Conductor mm ²
22	0.35	0.5
20	0.52	0.5
18	0.82	1.0
16	1.31	1.5
14	2.08	2.5
12	3.31	4.0
10	5.26	6.0
8	8.37	10.0
6	13.30	16.0
4	21.15	25.0
2	33.62	35.0
1	42.41	50.0
1/0	53.49	50.0
2/0	67.43	70.0
3/0	85.01	95.0
4/0	107.20	120.0
250mcm	126.70	120.0
300mcm	152.00	150.0
350mcm	177.30	185.0
400mcm	202.70	240.0
500mcm	253.40	240.0
600mcm	304.00	300.0
750mcm	380.00	400.0
800mcm	405.40	400.0
1000mcm	506.70	500.0
1250mcm	633.40	630.0

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.