

Application Information

Comparative Data of Stranded Copper and Aluminum Cables

Size Awg Kcmil	Area Circular Mils	Square Millimeters
30	100.5	0.051
28	159.8	0.081
26	254.1	0.123
24	404.0	0.205
22	642.4	0.326
20	1022	0.518
18	1620	0.823
16	2580	1.31
14	4110	2.08
12	6530	3.31
10	10380	5.26
8	16510	8.37
6	26240	13.3
4	41740	21.2
3	52620	26.7
2	66360	33.6
1	83690	42.4
1/0	105600	53.5
2/0	133100	67.4
3/0	167800	85.0
4/0	211600	107
250	-	127
300	-	152
350	-	177
400	-	203
500	-	253
600	-	304
700	-	355
750	-	380
800	-	405
900	-	456
1000	-	507
1250	-	634
1500	-	760
1750	-	887
2000	-	1014

Recommended Tightening Torque for Bolt-On and Stud Mounted Fuses

English Sizes

Thread Size	Tightening Torque	
	ft-lbs	in-lbs
1/4-20	4	50
5/16-18	7.5	90
3/8-16	13	160
3/8-24	15	180
1/2-13	30	360
1/2-20	31	375

Metric Sizes

Thread Size	Tightening Torque	
	newton-meters	in-lbs
M6	6	53
M8	13	115
M10	26	230
M12	45	398
M16	84	740

Small Ampere Rating Equivalents

Fraction	Decimal	Milliamps
1/100	0.0100	10
1/64	0.0156	15
1/32	0.03125	32
4/100	0.0400	40
5/100(1/20)	0.0500	50
1/16	0.0625	63
8/100	0.0800	80
1/10	0.10	100
1/8	0.1250	125
15/100	0.150	150
16/100	0.160	160
175/1000	0.1750	175
3/16	0.1875	188
2/10	0.20000	200
1/4	0.2500	250
3/10	0.3000	300
315/1000	0.3150	315
3/8	0.3750	375
4/10	0.4000	400
1/2	0.5000	500
6/10	0.6000	600
630/1000	0.6300	630
7/10	0.7000	700
3/4	0.7500	750
8/10	0.8000	800
9/10	0.9000	900
1	1.000	1000