

# Conductor Dimensions

Size of Conductor	Diameter of Solid Conductor				Cross - Sectional area of Conductor Minimum					
	Nominal		Minimum		Nominal		0.98 * Nominal <sup>a</sup>		0.97 * Nominal <sup>b</sup>	
	Mils	mm	Mils	mm	Mils	mm <sup>2</sup>	Mils	mm <sup>2</sup>	Cmil	mm <sup>2</sup>
30 AWG	10.0	0.254	9.9	0.251	100	0.0507	98	0.0497	-	-
29	11.3	0.287	11.2	0.284	128	0.0647	125	0.0633	-	-
28	12.6	0.320	12.5	0.318	159	0.0804	156	0.0790	-	-
27	14.2	0.361	14.1	0.358	202	0.102	198	0.100	-	-
26	15.9	0.404	15.7	0.399	253	0.128	248	0.126	-	-
25	17.9	0.455	17.7	0.450	320	0.182	314	0.159	-	-
24	20.1	0.511	19.9	0.606	404	0.205	396	0.201	392	0.199
23	22.6	0.574	22.4	0.568	611	0.259	501	0.254	496	0.251
22	25.3	0.643	25.0	0.637	640	0.324	627	0.318	821	0.314
21	28.5	0.724	28.2	0.717	812	0.412	796	0.404	788	0.400
20	32.0	0.813	31.7	0.805	1020	0.519	1000	0.509	989	0.503
19	35.9	0.912	35.6	0.904	1290	0.653	1264	0.641	1251	0.833
18	40.3	1.02	40.0	1.016	1620	0.823	1588	0.807	1571	0.798
17	45.3	1.15	44.9	1.140	2050	1.04	2009	1.02	1989	1.01
16	50.8	1.29	50.3	1.278	2580	1.31	2528	1.28	2503	1.27
15	67.1	1.45	56.5	1.435	3260	1.65	3195	1.62	3162	1.60
14	64.1	1.63	63.5	1.613	4110	2.08	4028	2.04	3987	2.02
13	72.0	1.83	71	1.81	5180	2.63	5076	2.58	6025	2.55
12	80.9	2.05	80	2.03	6530	3.31	6399	3.24	6334	3.21
11	90.7	2.30	90	2.28	8230	4.17	8065	4.09	7983	4.04
10	101.9	2.588	101	2.56	10380	5.261	10172	5.16	10069	5.103
9	114.4	2.906	113	2.88	13090	6.631	12828	6.50	-	-
8	128.5	3.264	127	3.23	16510	8.367	16180	8.20	-	-
7	144.3	3.665	143	3.63	20820	10.55	20404	10.34	-	-
6	162.0	4.115	160	4.07	26240	13.30	25715	13.03	-	-
5	181.9	4.620	180	4.57	33090	16.77	32428	16.43	-	-
4	204.3	5.189	202	5.14	41740	21.15	40905	20.73	-	-
3	229.4	5.827	227	5.77	52620	26.67	51568	26.14	-	-
2	257.6	6.543	255	6.48	66360	33.62	65033	32.95	-	-
1	289.3	7.348	286	7.27	83690	42.41	82016	41.56	-	-
1/0	324.9	8.262	322	8.17	105600	53.49	103488	52.42	-	-
2/0	364.8	9.266	361	9.17	133100	67.43	130438	66.08	-	-
3/0	409.6	10.40	406	10.30	167800	85.01	164444	83.31	-	-
4/0	460.0	11.68	455	11.66	211600	107.2	207368	105.1	-	-