

Solid Conductors - AWG Conversion

AWG	Diameter		Cross-Sectional Area		Weight	DCR @ 20C-OHMS/ mft	
	Inches	mm ²	CMA*	mm ²	lbs./mft	Bare Cu.	Tinned Cu.
40	.0031	0.078740	9.61	0.0049	0.0291	1552	1236.6
39	.0035	0.088900	12.3	0.0062	0.0371	897.1	963.0
38	.0040	0.101600	16.0	0.0081	0.0484	681.9	732.0
37	.0045	0.114300	20.3	0.0103	0.0613	535.7	575.1
36	.0050	0.127000	25.0	0.0127	0.0757	431.9	463.6
35	.0056	0.142240	31.4	0.0159	0.0949	342.8	368.0
34	.0063	0.160020	39.7	0.0201	0.120	269.8	289.6
33	.0071	0.180340	50.4	0.0255	0.153	211.7	227.3
32	.0080	0.203200	64.0	0.0324	0.194	166.2	178.4
31	.0089	0.226060	79.2	0.0401	0.240	133.9	143.7
30	.0100	0.254000	100	0.0506	0.3042	105.8	113.6
29	.0113	0.287020	128	0.0647	0.387	82.9	88.0
28	.0126	0.320040	159	0.0804	0.481	66.7	70.8
27	.0142	0.360680	202	0.1021	0.610	52.5	55.8
26	.0159	0.403860	253	0.1280	0.765	41.9	44.5
25	.0179	0.454660	320	0.1623	0.970	33.0	35.0
24	.0201	0.510540	404	0.2046	1.22	26.2	27.2
23	.0226	0.574040	511	0.2587	1.55	20.7	21.5
22	.0253	0.642620	640	0.3242	1.94	16.5	17.2
21	.0285	0.723900	812	0.4114	2.46	13.0	13.5
20	.0320	0.812800	1020	0.5186	3.10	10.3	10.7
19	.0359	0.911860	1290	0.6527	3.90	8.21	8.54
18	.0403	1.023620	1620	0.8225	4.92	6.52	6.78
17	.0453	1.150620	2050	1.0393	6.21	5.16	5.37
16	.0508	1.290320	2580	1.3070	7.81	4.10	4.26
15	.0571	1.450340	3260	1.6512	9.87	3.25	3.38
14	.0641	1.628140	4110	2.0809	12.4	2.58	2.68
13	.0720	1.828800	5180	2.6254	15.7	2.04	2.12
12	.0808	2.052320	6530	3.3064	19.8	1.62	1.68
11	.0907	2.303780	8230	4.1663	24.9	1.29	1.34
10	.1019	2.588260	10380	5.2588	31.4	1.02	1.06
9	.1144	2.905760	13090	6.6281	39.6	.809	.833
8	.1285	3.263900	16510	8.3626	50.0	.641	.660
7	.1443	3.665220	20820	10.5456	63.0	.508	.523
6	.1620	4.114800	26240	13.2913	79.4	.403	.415
5	.1819	4.620260	33090	16.7572	100	.320	.329
4	.2043	5.189220	41740	21.1385	126	.254	.261
3	.2294	5.826760	52620	26.6516	159	.201	.206
2	.2593	6.586220	66360	34.0520	201	.157	.161
1	.2893	7.348220	83690	42.3871	253	.126	.129
1/0	.3249	8.252460	105600	53.4609	319	.100	.102
2/0	.3648	9.265920	133100	67.3980	403	.0795	.0814
3/0	.4096	10.43084	167800	84.9683	508	.0631	.0616
4/0	.4600	11.68400	211600	107.1649	641	.0500	.0512

*CMA-Circular Mil Area

