

# Stranded Conductors - AWG Conversion

AWG	Stranding	Diameter		Cross-Sectional Area		Weight	DCR @ 20C-OHMS/ mft	
		Inches	mm <sup>2</sup>	CMA*	mm <sup>2</sup>	lbs./mft	Bare Cu.	Tinned Cu.
30	7/38	0.012	0.3048	112.00	0.0567	0.339	100.3	107.7
30	19/42	0.013	0.3302	118.75	0.0589	0.359	101.9	109.4
28	7/36	0.015	0.3810	175.00	0.0889	0.550	63.55	68.22
28	19/40	0.016	0.4064	182.59	0.0931	0.590	63.06	67.69
27	7/35	0.017	0.4318	219.52	0.1113	0.632	50.44	54.15
27	65/44	0.018	0.4572	260.00	0.1235	0.700	49.41	53.05
26	7/34	0.019	0.4826	277.83	0.1407	0.870	39.70	42.61
26	10/36	0.020	0.5080	250.00	0.1270	0.770	44.92	48.21
26	19/38	0.020	0.5080	304.00	0.1539	0.930	37.33	40.07
24	7/32	0.024	0.6096	448.00	0.2268	1.380	24.46	26.25
24	10/34	0.023	0.5842	396.90	0.2010	1.220	28.06	31.12
24	19/36	0.025	0.6350	475.00	0.2413	1.470	23.64	25.38
24	41/40	0.024	0.6096	384.40	0.2009	1.250	29.78	31.97
22	7/30	0.030	0.7620	700.00	0.3542	2.190	15.57	16.72
22	19/34	0.032	0.8128	754.11	0.3819	2.320	14.77	16.1
22	26/36	0.029	0.7366	650.00	0.3302	1.970	17.44	18.72
20	7/28	0.038	0.9652	1111.00	0.5628	3.490	9.81	10.42
20	10/30	0.036	0.9144	1000.00	0.5060	3.140	11.00	11.81
20	19/32	0.038	0.9652	1216.00	0.6156	3.750	9.10	9.765
20	26/34	0.040	1.0160	1031.94	0.5226	3.210	10.90	11.70
20	41/36	0.038	0.9652	1025.00	0.5207	3.170	11.17	11.99
18	7/26	0.046	1.1684	1769.60	0.8960	5.040	6.165	6.550
18	16/30	0.046	1.1684	1600.00	0.8096	5.000	6.877	7.384
18	19/30	0.048	1.2192	1900.00	0.9614	5.900	5.791	6.218
18	41/34	0.046	1.1684	1627.29	0.8241	5.060	6.975	7.487
18	65/36	0.048	1.2192	1625.00	0.8255	5.000	7.043	7.560
16	7/24	0.060	1.5240	2828.00	1.4322	8.560	3.855	4.002
16	19/29	0.054	1.3716	2426.30	1.2293	7.500	4.538	4.817
16	26/30	0.058	1.4732	2600.00	1.3156	8.060	4.273	4.588
16	65/34	0.059	1.4986	2579.85	1.3065	8.030	4.400	4.723
16	105/36	0.059	1.4986	2625.00	1.3335	8.090	4.360	4.680
14	7/22	0.073	1.8542	4480.04	2.2694	12.76	2.428	2.531
14	19/27	0.068	1.7272	3830.40	1.9399	12.50	2.874	3.054
14	41/30	0.070	1.7780	4100.00	2.0746	12.88	2.735	2.937
14	105/34	0.086	2.1844	4167.50	2.1105	13.00	2.724	2.924
12	7/20	0.096	2.4384	7168.0	3.6302	21.69	1.516	1.574
12	19/25	0.090	2.2860	6087.6	3.0837	19.70	1.806	1.916
12	65/30	0.102	2.5908	6500.00	3.2890	20.76	1.725	1.853
12	165/34	0.095	2.4130	6548.90	3.3165	19.82	1.750	1.878
10	37/26	0.110	2.7940	9353.60	4.7360	29.00	1.189	1.263
10	49/27	0.116	2.9464	9878.40	5.0029	29.89	1.136	1.207
10	105/30	0.120	3.0480	10530.00	5.3130	33.10	1.068	1.147
8	49/25	0.147	3.7338	15699.60	7.9527	47.53	0.714	0.757
8	133/29	0.166	4.2164	16984.11	8.6051	52.87	0.661	0.701
8	655/36	0.147	3.7338	16625.01	8.3185	51.30	0.706	0.757
6	133/27	0.206	5.2324	26812.80	13.5793	81.14	0.418	0.445
6	266/30	0.210	5.3340	25900.01	13.4596	86.01	0.426	0.457
6	1050/36	0.184	4.6736	26250.01	13.3350	79.47	0.440	0.472

4	7x19/25	0.257	6.5278	42613.00	21.5859	133.00	0.263	0.279
4	259/27	0.232	5.8928	52214.40	26.4439	158.02	0.217	0.231
4	1666/36	0.232	5.8928	41650.00	21.1582	126.10	0.277	0.298
2	133/32	0.292	7.4168	67936.40	34.4071	205.62	0.164	0.171
2	259/26	0.292	7.4168	65475.20	33.1520	198.14	0.173	0.184
2	665/30	0.328	8.3112	66500.00	33.1430	213.00	0.170	0.183
2	2646/36	0.292	7.4168	66150.00	33.6042	200.28	0.175	0.187
1	19/.0664	0.328	8.3312	82983.60	42.4700	251.20	0.134	0.137
1	19x44/30	0.377	9.5758	81700.00	43.3016	267.79	0.135	0.171
1	2109/34	0.328	8.3312	83706.20	42.3909	253.29	0.137	0.147
1/0	133/21	0.368	9.3472	108035.90	54.7162	327.05	0.104	0.108
1/0	259/24	0.368	9.3472	104636.00	52.9914	316.76	0.108	0.112
2/0	133/20	0.414	10.5156	136192.00	68.9738	412.17	0.0821	0.0853
2/0	259/23	0.414	10.5156	132297.20	67.0033	400.41	0.0855	0.0888
2/0	1330/30	0.406	10.3124	133300.00	67.2980	430.00	0.0851	0.0914
3/0	259/22	0.464	11.7856	163195.00	83.9678	501.70	0.0682	0.0711
3/0	427/24	0.464	11.7856	172508.00	87.3642	522.20	0.0657	0.0682
4/0	259/21	0.597	15.1638	210385.70	106.5526	638.88	0.0537	0.0558
4/0	427/23	0.598	15.1892	218111.60	110.4649	660.01	0.0519	0.0539
4/0	2107/30	0.60	15.4432	211468.00	106.6142	653.00	0.0537	0.0577

\*CMA-Circular Mil Area



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