

Conductors

Table 2: Stranded Copper Wire, American Wire Gage

Gage (AWG)	Stranding (Nom. AWG)	Min. Average OD of Strand	Approximate OD		ASTM Min. Circular MIL Area	Min. Weight (Lbs./1000 Ft.)	Max. Resistance* @ 68°F (Ω/1000 Ft.)
			Inches	mm			
36	7x44	.0019	.006	.152	25	.076	414.8
34	7x42	.0024	.0075	.191	39.7	.121	260.9
32	7x40	.0030	.0093	.236	64	.195	164.1
32	19x44	.0018	.010	.254	64	.195	164.1
30 ♦	7x38	.0038	.012	.305	100	.304	112.0
30	19x42	.0023	.012	.305	100	.304	112.0
28 ♦	7x36	.0048	.015	.381	159	.484	70.7
28 ♦	19x40	.0029	.016	.406	159	.484	70.7
27	7x35	.0054	.017	.432	202	.614	55.6
26 ♦	7x34	.0060	.019	.483	253	.770	44.4
26	10x36	.0050	.021	.533	253	.770	44.4
26 ♦	19x38	.0036	.020	.508	253	.770	44.4
24 ♦	7x32	.0076	.024	.610	404	1.229	27.7
24	10x34	.0064	.024	.610	404	1.229	27.7
24 ♦	19x36	.0046	.024	.610	404	1.229	27.7
24 ♦	42x40	.0031	.023	.584	404	1.229	27.7
22 ♦	7x30	.0096	.030	.762	640	1.947	17.5
22 ♦	19x34	.0058	.031	.787	640	1.947	17.5
22	26x36	.0050	.030	.762	640	1.947	17.5
20 ♦	7x28	.0126	.038	.965	1020	3.103	10.9
20	10x30	.0101	.037	.940	1020	3.103	10.9
20 ♦	19x32	.0073	.037	.940	1020	3.103	10.9
20	26x34	.0063	.036	.914	1020	3.103	10.9
20 ♦	42x36	.0049	.038	.965	1020	3.103	10.9
18 ♦	7x26	.0152	.048	1.22	1620	4.93	6.92
18	16x30	.0101	.047	1.19	1620	4.93	6.92
18 ♦	19x30	.0092	.049	1.24	1620	4.93	6.92
18 ♦	42x34	.0062	.047	1.19	1620	4.93	6.92
18 ♦	65x36	.0050	.047	1.19	1620	4.93	6.92
16 ♦	7x24	.0192	.060	1.52	2580	7.85	4.35
16 ♦	19x29	.0117	.058	1.47	2580	7.85	4.35
16	26x30	.0100	.059	1.50	2580	7.85	4.35
16 ♦	65x34	.0063	.059	1.50	2580	7.85	4.35
16	105x36	.0050	.059	1.50	2580	7.85	4.35
14 ♦	7x22	.0242	.076	1.93	4110	12.50	2.73
14 ♦	19x26	.0147	.071	1.80	4110	12.50	2.73
14 ♦	42x30	.0099	.075	1.91	4110	12.50	2.73
14	105x34	.0063	.075	1.91	4110	12.50	2.73
12 ♦	7x20	.0305	.096	2.44	6530	19.86	1.71
12 ♦	19x25	.0185	.093	2.36	6530	19.86	1.71
12 ♦	65x30	.0100	.095	2.41	6530	19.86	1.71
12	165x34	.0063	.095	2.41	6530	31.58	1.71
10	37x26	.0167	.115	2.92	10380	31.58	1.08
10	65x28	.0126	.120	3.05	10380	31.58	1.08
10	105x30	.0099	.118	3.00	10380	31.58	1.08