

Stranded Wire Data Chart

AWG Size	# of Strands	Nom. O.D. of Strand	Approx. O.D.	Circular MIL Area	Wt. Lbs./ 1,000 Ft.	Ohms Per 1,000 Ft.
36	7/44	0.0020	0.006	28.00	0.09	371.00
34	7/42	0.0025	0.007	43.75	0.13	237.00
32	7/40	0.0031	0.008	67.27	0.20	164.00
32	19/44	0.0020	0.009	76.00	0.23	136.40
30	7/38	0.0040	0.012	112.00	0.34	103.20
30	19/42	0.0025	0.012	118.75	0.36	87.30
28	7/36	0.0050	0.015	141.75	0.53	64.90
28	19/40	0.0031	0.016	182.59	0.55	56.70
27	7/35	0.0056	0.018	219.52	0.66	51.47
26	7/34	0.6300	0.019	277.83	0.84	37.30
26	10/36	0.0050	0.021	250.00	0.76	41.48
26	19/38	0.0040	0.020	304.00	0.92	34.43
24	7/32	0.0080	0.024	448.00	1.36	23.30
24	10/34	0.0063	0.023	396.90	1.20	26.09
24	19/36	0.0050	0.024	475.00	1.43	21.08
24	41/40	0.0031	0.023	384.40	1.16	25.59
22	7/30	0.0100	0.030	700.00	2.12	14.74
22	19/34	0.0063	0.031	754.11	2.28	13.73
22	26/36	0.0050	0.030	650.00	1.97	15.94
20	10/30	0.0100	0.035	1,000.00	3.02	10.32
20	19/32	0.0080	0.037	1,216.00	3.68	8.63
20	26/34	0.0063	0.036	1,031.94	3.12	10.05
20	41/36	0.0050	0.036	1,025.00	3.10	10.02
18	7/26	0.0159	0.048	1,769.60	5.36	5.86
18	16/30	0.0100	0.047	1,600.00	4.84	6.48
18	19/30	0.0100	0.049	1,900.00	5.75	5.46
18	41/34	0.0063	0.047	1,627.29	4.92	6.37
18	65/36	0.0050	0.047	1,625.00	4.91	6.39
16	7/24	0.0201	0.060	2,828.00	8.56	3.67
16	19/29	0.0113	0.058	2,426.30	7.35	4.27
16	26/30	0.0100	0.059	2,600.00	7.87	4.00
16	65/34	0.0063	0.059	2,579.85	7.81	4.02
16	105/36	0.0050	0.059	2,625.00	7.95	3.99
14	7/22	0.0253	0.073	4,480.00	13.56	2.31
14	19/27	0.0142	0.073	3,830.40	11.49	2.70
14	41/30	0.0100	0.073	4,100.00	12.40	2.53
14	105/34	0.0063	0.073	4,167.50	12.61	2.49
12	7/20	0.0320	0.096	7,168.00	21.69	1.45
12	19/25	0.0179	0.093	6,087.60	18.43	1.70
12	65/30	0.0100	0.095	6,500.00	19.66	1.75
12	165/30	0.0063	0.095	6,548.90	19.82	1.58
10	37/26	0.0159	0.115	9,353.6	28.31	1.110
10	49/27	0.0142	0.116	9,878.4	29.89	1.090
10	105/30	0.0100	0.116	10,530.0	31.76	0.980
8	49/25	0.0179	0.147	15,699.6	47.53	0.670
8	133/29	0.0113	0.147	16,984.1	51.42	0.610

8	655/36	0.0050	0.147	16,625.0	49.58	0.620
6	133/27	0.0142	0.184	26,812.8	81.14	0.470
6	259/30	0.0100	0.184	25,900.0	78.35	0.400
6	1050/36	0.0050	0.184	26,250.0	79.47	0.386
4	133/25	0.0179	0.232	42,613.0	129.01	0.243
4	259/27	0.0143	0.232	52,214.4	158.02	0.200
4	1666/36	0.0050	0.232	41,650.0	126.10	0.250
2	133/23	0.0226	0.292	67,936.4	205.62	0.152
2	259/26	0.0159	0.292	65,475.2	198.14	0.160
2	665/30	0.0100	0.292	66,500.0	201.16	0.157
2	2646/36	0.0050	0.292	66,150.0	200.28	0.157
1	133/22	0.0253	0.328	85,133.3	257.60	0.121
1	259/25	0.0179	0.328	82,983.6	251.20	0.125
1	817/30	0.0100	0.328	81,700.0	247.10	0.127
1	2109/34	0.0063	0.328	83,706.2	253.29	0.124
1/0	133/21	0.0285	0.368	108,035.9	327.05	0.096
1/0	259/24	0.0201	0.368	104,636.0	316.76	0.099
1/0	1045/30	0.0100	0.368	104,500.0	316.11	0.099
1/0	2660/34	0.0063	0.368	105,575.4	319.47	0.098
1/0	4214/36	0.0050	0.368	105,350.0	318.96	0.098
2/0	133/20	0.0320	0.414	136,192.0	412.17	0.077
2/0	259/23	0.0226	0.414	132,297.2	400.41	0.077
2/0	1330/30	0.0100	0.414	133,000.0	402.33	0.077
2/0	3325/34	0.0063	0.414	131,969.2	399.33	0.077
2/0	5292/36	0.0050	0.414	132,300.0	400.55	0.077
3/0	259/22	0.0253	0.464	163,195.9	501.70	0.062
3/0	427/24	0.0201	0.464	172,508.0	522.20	0.059
3/0	1661/30	0.0100	0.464	166,100.0	502.45	0.062
3/0	4256/34	0.0063	0.464	168,920.6	511.15	0.061
3/0	6713/36	0.0050	0.464	167,825.0	508.11	0.061
4/0	259/21	0.0285	0.522	210,385.7	638.88	0.049
4/0	427/23	0.0226	0.522	218,111.6	660.01	0.047
4/0	2104/30	0.0100	0.522	210,400.0	636.46	0.049
4/0	5230/34	0.0063	0.522	211,150.8	638.89	0.049
4/0	8512/36	0.0050	0.522	212,800.0	644.27	0.049

*Resistance in Ohms per 1,000 ft. at 68°F (20°C)