

# WIRE DATA CHART

Size Awg	Diameter Inch	Area Cir. Mils	Area Sq. In.	Weight Lbs. Per 1,000 Ft.	SOFT OR ANNEALED			HARD DRAWN		
					Tensile Strength Maximum Lbs. Per Sq. In.	Breaking Strength Minimum Lbs.	Maximum DC Resistance @68°F Ohms Per 1,000 Ft.	Tensile Strength Maximum Lbs. Per Sq. In.	Breaking Strength Minimum Lbs.	Maximum DC Resistance @68°F Ohms Per 1,000 Ft.
4/0	0.4600	211,600	0.1662	640.5	36,000	5,983	0.04901	49,000	8,143	0.05045
3/0	0.4096	167,800	0.1318	507.9	36,000	4,745	0.06180	51,000	6,722	0.06361
2/0	0.3648	133,100	0.1045	402.8	36,000	3,763	0.07793	52,800	5,519	0.08021
1/0	0.3249	105,600	0.08291	319.5	36,000	2,984	0.09827	54,500	4,517	0.1011
1	0.2893	83,690	0.06573	253.3	37,000	2,432	0.1239	56,100	3,688	0.1289
2	0.2576	66,360	0.05212	200.9	37,000	1,929	0.1563	57,600	3,003	0.1625
3	0.2294	52,620	0.04133	159.3	37,000	1,530	0.1970	59,000	2,439	0.2049
4	0.2043	41,740	0.03278	126.4	37,000	1,213	0.2485	60,100	1,970	0.2584
5	0.1819	33,090	0.02599	100.2	37,000	961.9	0.3133	61,200	1,591	0.3258
6	0.1620	26,240	0.02061	79.46	37,000	762.9	0.3951	62,100	1,280	0.4108
7	0.1443	20,820	0.01635	63.02	37,000	605.0	0.4982	63,000	1,030	0.5181
8	0.1285	16,510	0.01297	49.97	37,000	479.8	0.6282	63,700	826.0	0.6533
9	0.1144	13,090	0.012080	39.63	37,000	380.5	0.7921	64,300	661.2	0.8238
10	0.1019	10,380	0.008155	31.43	38,500	314.0	0.9989	64,900	529.2	1.039
11	0.0907	8,230	0.00646	24.92	38,500	249.0	1.260	65,400	422.9	1.310
12	0.0808	6,530	0.00513	19.77	38,500	197.5	1.588	65,700	336.9	1.652
13	0.0720	5,180	0.00407	15.68	38,500	156.6	2.003	65,900	268.0	2.083
14	0.0641	4,110	0.00323	12.43	38,500	124.2	2.525	66,200	213.5	2.626
15	0.0571	3,260	0.00256	9.858	38,500	98.48	3.184	66,400	169.8	3.312
16	0.0508	2,580	0.00203	7.818	38,500	78.10	4.016	66,600	135.1	4.176
17	0.0453	2,050	0.00161	6.200	38,500	61.93	5.064	66,800	107.5	5.266
18	0.0403	1,620	0.00128	4.917	38,500	49.12	6.385	67,000	85.47	6.640
19	0.0359	1,290	0.00101	3.899	38,500	38.95	8.051	67,200	67.99	8.373
20	0.0320	1,020	0.000804	3.092	38,500	30.89	10.15	67,400	54.08	10.56
21	0.0285	812	0.000638	2.452	38,500	24.50	12.80	67,700	43.07	13.31
22	0.0253	640	0.000503	1.945	38,500	19.43	16.14	67,900	34.26	16.79
23	0.0226	511	0.000401	1.542	38,500	15.41	20.36	68,100	27.25	21.17
24	0.0201	404	0.000317	1.223	40,000	12.69	25.67	68,300	21.67	26.69
25	0.0179	320	0.000252	0.9699	40,000	10.07	32.37	68,600	17.26	33.66
26	0.0159	253	0.000199	0.7692	40,000	7.983	40.81	68,800	13.73	42.44
27	0.0142	202	0.000158	0.6100	40,000	6.331	51.47	69,000	10.92	53.52
28	0.0126	159	0.000125	0.4837	40,000	5.020	64.90	69,300	8.698	67.49
29	0.0113	128	0.000100	0.3836	40,000	3.981	81.84	69,400	6.908	85.10
30	0.0100	100	0.0000785	0.3042	40,000	3.157	103.2	69,700	5.502	107.3
31	0.0089	79.2	0.0000622	0.2413	40,000	2.504	130.1	69,900	4.376	135.3
32	0.0080	64.0	0.0000503	0.1913	40,000	1.986	164.1	70,200	3.485	170.6
33	0.0071	50.4	0.0000396	0.1517	40,000	1.575	206.9	70,400	2.772	215.2
34	0.0063	39.7	0.0000312	0.1203	40,000	1.249	260.9	70,600	2.204	271.3
35	0.0056	31.4	0.0000246	0.09542	40,000	0.9904	329.0	70,900	1.755	342.1
36	0.0050	25.0	0.0000196	0.07567	40,000	0.7854	414.8	71,100	1.396	431.4
37	0.0045	20.2	0.0000159	0.06001	40,000	0.6228	523.1	71,300	1.110	544.0
38	0.0040	16.0	0.0000126	0.04579	40,000	0.4939	659.6	71,500	0.8829	686.0
39	0.0035	12.2	0.00000962	0.03774	40,000	0.3917	831.8	71,800	0.7031	865.0
40	0.0031	9.61	0.00000755	0.02993	40,000	0.3106	1049	72,000	0.5592	1,091
41	0.0028	7.84	0.00000616	0.02374	40,000	0.2464	1323	72,000	0.4434	1,375
42	0.0025	6.25	0.00000491	0.01882	40,000	0.1954	1668	72,000	0.3517	1,734
43	0.0022	4.84	0.00000380	0.01493	40,000	0.1549	2103	72,000	0.2789	2,187
44	0.0020	4.00	0.00000314	0.01184	40,000	0.1229	2652	72,000	0.2212	2,758