

Technical Reference Wire Conversion Table

Size AWG/MCM	Circular Mils	Nominal Cross Section Area	SOLID WIRE Nominal Diameter		Lbs/1000Ft	SIZE Navy Standard	Circular Mils	Lbs/1000Ft
			Inches	mm				
24	404	0.204	0.0201	0.51	1.22			
22	642.4	0.321	0.0254	0.64	1.95			
21	810.1	0.412	0.0285	0.82	2.45			
20	1,020	0.520	0.0363	0.81	3.15	1	1,119	3.40
19	1,290	0.653	0.0409	0.91	4.05			
518	1,620	0.823	0.0456	1.02	5.02	2	1,779	5.54
16	2,580	1.310	0.0576	1.29	7.97	3	2,828	8.70
14	4,110	2.080	0.0726	1.63	12.68	4	4,479	14
12	6,530	3.310	0.0915	2.05	20.16	6	6,512	20
10	10,380	5.300	0.1160	2.59	32.06	9	9,016	28
9	13,090	6.600	0.1300	2.91	40.45	14	13,340	44
8	16,510	8.400	0.1460	3.26	51.00	23	22,800	70
6	26,240	13.300	0.1840	4.12	80.90	30	30,860	95
4	41,740	21.150	0.2320	5.10	129	40	39,910	120
3	52,620	26.700	0.2600	5.83	162	50	49,080	150
2	66,630	33.600	0.2920	6.54	205	60	60,090	190
1	83,690	42.400	0.3320	7.35	259	75	75,780	230
1/0	105,600	53.500	0.3730	8.25	326	100	99,060	310
2/0	133,100	67.400	0.4190	9.27	411	125	124,900	390
3/0	167,800	85.000	0.4700	10.40	518	150	157,600	490
4/0	211,600	107.000	0.5280	11.68	653	200	198,700	610
250	250,000	127.000	0.5750	12.70	772	250	250,500	770
300	300,000	152.000	0.6300	13.91	925	300	296,400	910
350	350,000	177.300	0.6810	15.03	1,080	350	349,800	1,100
400	400,000	202.700	0.7280	16.06	1,236	400	413,600	1,300
500	500,000	253.400	0.8130	17.96	1,544	500	512,600	1,600
600	600,000	304.000	0.8930	19.67	1,850	650	657,600	2,000
750	750,000	380.000	0.9980	22.00	2,316	800	829,300	2,600
1000	1,000,000	506.000	1.1520	25.40	3,088	1,000	1,046,000	3,200