ILSCO Wire Size Charts

AWG VS. METRIC WIRE SIZES

Circ. Mils	Equivalent Circ. Mils	Awg. Size	Metric Wire Size mm²	Stranding/ Wire Diameter Per Strand		Approximate Overall Diameter	
				in	mm	in	mm
–	937	–	0.50	1/.032	1/.813	.032	0.81
1020	–	20	–	7/.0121	7/.030	.036	0.91
–	1480	–	0.75	1/.039	1/.991	.039	0.99
1620	–	18	–	1/.0403	1/1.02	.040	1.02
1620	–	18	–	7/.0152	7/.386	.046	1.16
–	1974	–	1.0	1/.045	1/1.14	.045	1.14
–	1974	–	1.0	7/.017	7/.432	.051	1.30
2580	–	16	–	1/.0508	1/1.29	.051	1.29
2580	–	16	–	7/.0192	7/.488	.058	1.46
–	2960	–	1.5	1/.055	1/1.40	.055	1.40
–	2960	–	1.5	7/.021	7/.533	.063	1.60
4110	–	14	–	1/.0641	1/1.63	.064	1.63
4110	–	14	–	7/.0242	7/.615	.073	1.84
–	4934	–	2.5	1/.071	1/1.80	.071	1.80
–	4934	–	2.5	7/.027	7/.686	.081	2.06
6530	–	12	–	1/.0808	1/2.05	.081	2.05
6530	–	12	–	7/.0305	7/.775	.092	2.32
–	7894	–	4	1/.089	1/2.26	.089	2.26
–	7894	–	4	7/.034	7/.864	.102	2.59
10380	–	10	–	1/.1019	1/2.59	.102	2.59
10380	–	10	–	7/.0385	7/.978	.116	2.93
–	11840	–	6	1/.109	1/2.77	.109	2.77
–	11840	–	6	7/.042	7/1.07	.126	3.21
13090	–	9	–	1/.1144	1/2.91	.114	2.91
13090	–	9	–	7/.0432	7/1.10	.130	3.30
16510	–	8	–	1/.1285	1/3.26	.128	3.26
16510	–	8	–	7/.0486	7/1.23	.146	3.70
–	19740	–	10	1/.141	1/3.58	.141	3.58
–	19740	–	10	7/.054	7/1.37	.162	4.12
20820	–	7	–	1/.1443	1/3.67	.144	3.67
20820	–	7	–	7/.0545	7/1.38	.164	4.15
26240	–	6	–	1/.162	1/4.11	.162	4.11
26240	–	6	–	7/.0612	7/1.55	.184	4.66
–	31580	–	16	7/.068	7/1.73	.204	5.18
33090	–	5	–	7/.0688	7/1.75	.206	5.24
41740	–	4	–	7/.0772	7/1.96	.232	5.88
–	49340	–	25	7/.085	7/2.16	.255	6.48
–	49340	–	25	19/.052	19/1.32	.260	6.60
52620	–	3	–	7/.0867	7/2.20	.260	6.61
66360	–	2	–	7/.0974	7/2.47	.292	7.42
–	69070	–	35	7/.100	7/2.54	.300	7.62
–	69070	–	35	19/.061	19/1.55	.305	7.75

Circ. Mils	Equivalent Circ. Mils	Awg. Size	Metric Wire Size mm²	Stranding/ Wire Diameter Per Strand		Approximate Overall Diameter	
				in	mm	in	mm
83690	–	1	–	19/.0664	19/1.69	.332	8.43
–	98680	–	50	19/.073	19/1.85	.365	9.27
105600	–	1/0	–	19/.0745	19/1.89	.373	9.46
133100	–	2/0	–	19/.0837	19/2.13	.419	10.6
–	138100	–	70	19/.086	19/2.18	.430	10.9
167800	–	3/0	–	19/.094	19/2.39	.470	11.9
167800	–	3/0	–	37/.0673	37/1.71	.471	12.0
–	187500	–	95	19/.101	19/2.57	.505	12.8
–	187500	–	95	37/.072	37/1.83	.504	12.8
211600	–	4/0	–	19/.1055	19/2.68	.528	13.4
–	237.8 kcmil	–	120	37/.081	37/2.06	.567	14.4
250 kcmil	–	–	–	37/.0822	37/2.09	.575	14.6
300 kcmil	–	–	150	37/.090	37/2.29	.630	16.0
350 kcmil	–	–	–	37/.0973	37/2.47	.681	17.3
–	365.1 kcmil	–	185	37/.100	37/2.54	.700	17.8
400 kcmil	–	–	–	37/.104	37/2.64	.728	18.5
–	473.6 kcmil	–	240	37/.114	37/2.90	.798	20.3
–	473.6 kcmil	–	240	61/.089	61/2.26	.801	20.3
500 kcmil	–	–	–	37/.1162	37/2.95	.813	20.7
500 kcmil	–	–	–	61/.0905	61/2.30	.814	20.7
–	592.1 kcmil	–	300	61/.099	61/2.51	.891	22.6
600 kcmil	–	–	–	61/.0992	61/2.52	.893	22.7
700 kcmil	–	–	–	61/.1071	61/2.72	.964	24.5
750 kcmil	–	–	–	61/.1109	61/2.82	.998	25.4
750 kcmil	–	–	–	91/.0908	91/2.31	.999	25.4
–	789.4 kcmil	–	400	61/.114	61/2.90	1.026	26.1
800 kcmil	–	–	–	61/.1145	61/2.91	1.031	26.2
800 kcmil	–	–	–	91/.0938	91/2.38	1.032	26.2
1000 kcmil	986.8 kcmil	–	500	61/.1280	61/3.25	1.152	29.3
1000 kcmil	–	–	–	91/.1048	91/2.66	1.153	29.3
–	1233.7 kcmil	–	625	91/.117	91/2.97	1.287	32.7
1250 kcmil	–	–	–	91/.1172	91/2.98	1.289	32.7
1250 kcmil	–	–	–	127/.0992	127/2.52	1.290	32.8
1500 kcmil	–	–	–	91/.1284	91/3.26	1.412	35.9
1500 kcmil	–	–	–	127/.1087	127/2.76	1.413	35.9
–	1578.8 kcmil	–	800	91/.132	91/3.35	1.452	36.9
–	1973.5 kcmil	–	1000	91/.147	91/3.73	1.617	41.1
2000 kcmil	–	–	–	127/.1255	127/3.19	1.632	41.5
2000 kcmil	–	–	–	169/.1088	169/2.76	1.632	41.5