

Conversion Tables

Equivalents of sq. mm, sq. in. and circular mils

Sq. mm	Sq. In.	Cir mils	AWG
1000	1.550	1974000	
975	1.511	1924700	
950	1.472	1875300	
925	1.434	1826000	
900	1.395	1776600	
875	1.356	1727300	
850	1.317	1677900	
825	1.279	1628600	
800	1.240	1579200	
775	1.201	1529900	
750	1.163	1480500	
725	1.124	1431200	
700	1.085	1381800	
675	1.046	1332500	
650	1.008	1283100	
625	0.969	1233800	
600	0.930	1184400	
575	0.891	1135100	
550	0.853	1085700	
525	0.814	1036400	
500	0.775	987000	
475	0.736	937700	
450	0.698	888300	
425	0.659	839000	
400	0.620	789600	
375	0.581	740300	
350	0.542	690900	
325	0.504	641600	
300	0.465	592200	
275	0.426	542900	
250	0.388	493500	
225	0.349	444200	
200	0.310	394800	
175	0.271	345500	
150	0.233	296100	
125	0.1938	246800	
--	--	211600	4/0
100	0.1550	197400	
95	0.1472	187530	
90	0.1395	177660	
--	--	167800	3/0
85	0.1317	167790	

Sq. mm	Sq. In.	Cir Mils	AWG
80	0.1240	157920	
75	0.1163	148050	
70	0.1085	138180	
--	--	133100	2/0
65	0.1008	128310	
60	0.0930	118440	
55	0.0853	108570	
--	--	105600	1/0
50	0.0775	98700	
45	0.0698	88830	
--	--	83690	1
40	0.0620	78960	
35	0.0542	69090	
--	--	66360	2
30	0.0465	59220	
--	--	52620	3
25	0.0388	49350	
--	--	41740	4
20	0.0310	39480	
19.5	0.0302	38490	
19.0	0.0294	37510	
18.5	0.0287	36520	
18.0	0.0279	35530	
17.5	0.0271	34550	
17.0	0.0264	33560	
--	--	33090	5
16.5	0.0256	32560	
16.0	0.0248	31580	
15.5	0.0240	30600	
15.0	0.0233	29610	
14.5	0.0225	28620	
14.0	0.0217	27640	
13.5	0.0209	26650	
--	--	26240	6
13.0	0.0201	25660	
12.5	0.0194	24680	
12.0	0.0186	23690	
11.5	0.0178	22700	
11.0	0.0171	21710	
--	--	20820	7
10.5	0.0163	20730	
10.0	0.0155	19740	

Sq. mm	Sq. In.	Cir mils	AWG
9.5	0.01472	18753	
9.0	0.01395	17766	
8.5	0.01317	16779	
--	--	16510	8
8.0	0.01240	15792	
7.5	0.01163	14805	
7.0	0.01085	13818	
--	--	13090	9
6.5	0.01008	12831	
6.0	0.00930	11844	
5.5	0.00853	10857	
--	--	10380	10
5.0	0.00775	9870	
4.75	0.00736	9377	
4.50	0.00698	8883	
4.25	0.00659	8390	
--	--	8230	11
4.0	0.00620	7896	
3.75	0.00581	7403	
3.50	0.00542	6909	
--	--	6530	12
3.25	0.00504	6416	
3.0	0.00465	5922	
2.75	0.00426	5429	
--	--	5180	13
2.50	0.00388	4935	
2.25	0.00349	4442	
--	--	4110	14
2.0	0.00310	3948	
1.75	0.00271	3455	
--	--	3260	15
1.50	0.00233	2961	
--	--	2580	16
1.25	0.00194	2468	
--	--	2050	17
1.0	0.00155	1974	
0.9	0.00140	1777	
--	--	1620	18
0.8	0.00124	1579	
0.75	0.00116	1481	
0.7	0.00109	1382	
--	--	1290	19
0.6	0.00093	1184	
--	--	1029	20
0.5	0.000775	987	

To Convert:	Multiply by:
Meters to feet	3.2808
Kilometers to feet	3280.8
Feet to meters	0.3048
Feet to kilometers	0.0003048
Kilograms to pounds	2.205
Pounds to kilograms	0.4536
Pounds 1000 ft. to pounds 1000 meters	3.2808
Pounds 1000 ft. to kilograms 1000 meters	1.4882
Kilograms 1000 meters to pounds 1000 feet	0.6719
°C = 5/9 (°F-32)	°F = 32 + 5/9 (°C)