

Metric Conversions

Table 14: Conductor Size Equivalents (Square Millimeters/Square Inches/Circular Mils/AWG)

mm ²	sq. in.	Circular mils	AWG	mm ²	sq. in.	Circular mils	AWG	mm ²	sq. in.	Circular mils	AWG
1000	1.550	1974000		55	0.0853	108570		5.00	0.00775	9870	
975	1.511	1924700		—	—	105600	1/0	4.75	0.00736	9377	
950	1.472	1875300		50	0.0775	98700		4.50	0.00698	8883	
925	1.434	1826000		45	0.0698	88830		4.25	0.00659	8390	
900	1.395	1776600		—	—	83690	1	—	—	8230	11
875	1.356	1727300		40	0.0620	78960		4.00	0.00620	7896	
850	1.317	1677900		35	0.0542	69090		3.75	0.00581	7403	
825	1.279	1628600		—	—	66360	2	3.50	0.00542	6909	
800	1.240	1579200		30	0.0465	59220		—	—	6530	12
775	1.201	1529900		—	—	52620	3	3.25	0.00504	6416	
750	1.163	1480500		25	0.0388	49350		3.00	0.00465	5922	
725	1.124	1431200		—	—	41740	4	2.75	0.00426	5429	
700	1.085	1381800		20.0	0.0310	39480		2.63	—	5180	13
675	1.046	1332500		19.5	0.0302	38490		2.50	0.00388	4935	
650	1.008	1283100		19.0	0.0294	37510		2.25	0.00349	4422	
625	0.969	1233800		18.5	0.0287	36520		—	—	4110	14
600	0.930	1184400		18.0	0.0279	35530		2.00	0.00310	3948	
575	0.891	1135100		17.5	0.0271	34550		1.75	0.00271	3455	
550	0.853	1085700	1000 MCM	17.0	0.0264	33560		1.65	—	3260	15
525	0.814	1036400		—	—	33090	5	1.50	0.00233	2961	
500	0.775	987000		16.5	0.0256	32560		—	—	2580	16
475	0.736	937700		16.0	0.0248	31580		1.25	0.00194	2468	
450	0.698	888300		15.5	0.0240	30600	6	—	—	2050	17
425	0.659	839000		15.0	0.0233	29610		1.00	0.00155	1974	
400	0.620	789600	750 MCM	14.5	0.0225	28620		0.90	0.00140	1777	
375	0.581	740300		14.0	0.0217	27640		—	—	1620	18
350	0.542	690900		13.5	0.0209	26650		0.75	0.00116	1481	
325	0.504	641600	600 MCM	—	—	26420		0.70	0.00109	1382	
300	0.465	592200		13.0	0.0201	25660		0.65	—	1290	19
275	0.426	542900	500 MCM	12.5	0.0194	24680		0.60	0.00093	1184	
250	0.388	493500		12.0	0.0186	23690		—	—	1029	20
225	0.349	444200	350 MCM	11.5	0.0178	22700		0.50	0.000775	987	
200	0.310	394800		11.0	0.0171	21710					
185	—	—		—	—	20820	7				
175	0.271	345500	300 MCM	10.5	0.0163	20730					
150	0.233	296100		10.0	0.0155	19740					
125	0.1938	246800		9.5	0.01472	18753					
120	—	211600	4/0	9.0	0.01395	17766					
100	0.1550	197400		8.5	0.01317	16779					
95	0.1472	187530		—	—	16510	8				
90	0.1395	177660		8.0	0.01240	15792					
—	—	167800	3/0	7.7	0.01163	14805					
85	0.1317	167790		7.0	0.01085	13818					
80	0.1240	157920		—	—	13090	9				
75	0.1163	148050		6.5	0.01008	12831					
70	0.1085	138180		6.0	0.00930	11844					
—	—	133100	2/0	5.5	0.00853	10857					
65	0.1008	128310		—	—	10380	10				
60	0.0930	118440									

To Convert:	Multiply by:
Inches to millimeters	25.4
Millimeters to inches	0.03937