

CONVERSION CHART FOR AMERICAN WIRE GAUGE TO METRIC SYSTEM

AWG Size	Metric mm ²	Circ. Mils	Equivalent Circ.Mils	Approximate Wire Diameter	
				in.	mm
-	0.5	-	937	0.032	0.81
20	-	1020	-	0.036	0.91
-	0.75	-	1480	0.039	0.99
18	-	1620	-	0.046	1.16
-	1	-	1974	0.051	1.30
16	-	2580	-	0.051	1.29
-	1.5	-	2960	0.063	1.60
14	-	4110	-	0.073	1.84
-	2.5	-	4934	0.081	2.06
12	-	6530	-	0.092	2.32
-	4	-	7894	0.102	2.59
10	-	10380	-	0.116	2.93
-	6	-	11840	0.126	3.21
8	-	16510	-	0.146	3.70
-	10	-	19740	0.162	4.12
6	-	26240	-	0.184	4.66
-	16	-	31580	0.204	5.18
4	-	41740	-	0.232	5.88
-	25	-	49340	0.260	6.60
2	-	66360	-	0.292	7.42
-	35	-	69070	0.305	7.75
1	-	83690	-	0.332	9.43
-	50	-	98680	0.365	9.27

AWG Size	Metric mm ²	Circ. Mils	Equivalent Circ.Mils	Approximate Wire Diameter	
				in.	mm
1/0	-	106mcm*	-	0.373	9.46
2/0	-	133mcm*	-	0.419	10.60
-	70	-	138.1mcm	0.430	10.90
3/0	-	168mcm*	-	0.471	12.00
-	95	-	187.5mcm	0.504	12.80
4/0	-	212mcm*	-	0.528	13.40
-	120	-	237.8mcm	0.567	14.40
-	-	250mcm	-	0.575	14.60
-	150	300mcm	-	0.630	16.00
-	-	350mcm	-	0.681	17.30
-	185	-	365.1mcm	0.700	17.80
-	-	400mcm	-	0.728	18.50
-	240	-	473.6mcm	0.801	20.30
-	-	500mcm	-	0.814	20.70
-	300	-	592.1mcm	0.891	22.60
-	-	600mcm	-	0.893	22.70
-	-	700mcm	-	0.964	24.50
-	-	750mcm	-	0.999	25.40
-	400	-	789.4mcm	1.026	26.10
-	-	800mcm	-	1.032	26.20
-	500	-	986.8mcm	1.152	29.30
-	-	1000mcm	-	1.153	29.30
-	625	-	1233.7mcm	1.287	32.70

* Rounded for simplicity