

Get Free Metric  
Awg Wire Size  
Equivalents

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## **Metric Awg Wire Size Equivalents**

American Wire Gauge  
Wire Diameter in  
Inches; 20: 0.036: 18:  
0.046: 16: 0.058: 14:  
0.076: 12: 0.096: 10:  
0.116: 8: 0.148: 6:  
0.186: 4: 0.235: 2:  
0.296: 1: 0.332: 1/0:  
0.373: 2/0: 0.419

## **Metric-to-AWG Conversion Chart | Technical Resources**

...

Metric/AWG wire size

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equivalents. This table gives closest equivalent size cross references between metric and American wire sizes. In Europe, wire and cable sizes are expressed in cross sectional area in  $\text{mm}^2$ , and also as the number of strands of wires of a diameter expressed in mm. For example, 7/0.2 means 7 strands of wire each 0.2mm diameter.

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## **Metric/AWG wire size equivalents - Canford**

For example 7 / 0.2 means 7 strands of wire each 0.2mm diameter. This example has a cross sectional area of  $0.22\text{mm}^2$ . In America, the commonest system is the AWG numbering scheme, where the numbers are applied not only to individual strands but also to equivalent size

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bunches of smaller strands. For example 24AWG could be made of 1 strands of 24AWG wire (1/24) or 7 strands of 32 AWG wire (7/32). See also: AWG to metric Parameter Calculator.

## **AWG to Metric Conversion Chart · Technick.net**

To convert Metric cable sizes to American Wire Gauge cable sizes, please click on the

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chart (PDF - 90KB)  
below. Click image  
below to view and/or  
print the document.  
(PDF - 90KB) Want to  
quickly resize any  
metric value (weight,  
length, volume,  
temperature, or  
pressure) to decimal  
online? Check out the  
handy conversion tool  
on the website World  
...

**American Wire  
Group - Metric/AWG**

*Page 8/26*



# Get Free Metric Awg Wire Size Equivalents **Sizing**

Metric to AWG Wire Size Table (Date: 2014-01-03) Below table provided the closest equivalent size between metric and American wire sizes. For Europe, the wire sizes are expressed in cross sectional area which in unit  $\text{mm}^2$  , as well as the number of strands of wires of a diameter which in unit of mm.

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## **Metric to AWG Wire Size Table ST Technology**

AWG to Metric  
Conversion Chart AWG  
Number Ø [Inch] Ø  
[mm] Ø [mm†]  
Resistance [Ohm/m]  
4/0 = 0000 0.460 11.7  
107 0.000161 3/0 =  
000 0.410 10.4 85.0  
0.000203 2/0 = 00  
0.365 9.26 67.4  
0.000256 1/0 = 0  
0.325 8.25 53.5  
0.000323 1 0.289 7.35  
42.4 0.000407 ...

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## **AWG to Metric Conversion Chart - Victron Energy**

Used frequently in measuring very large wire sizes. The circular mil is a unit of area used especially when denoting the cross-sectional size of a wire or cable. It is the equivalent area of a circle whose diameter is 0.001 (10<sup>-3</sup>) inch, or approximately 0.7854 millionths of a square

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inch (or  $2.5 \times 10^{-7}$   
times pi).

## **AWG to Metric Wire Size Conversion Chart - Blogger**

MM 2 Converted to  
AWG, Metric to  
American Wire Size  
Chart, Calculator, table  
and PDF [MM to AWG]..  
This is the most  
complete  
comprehensive MM to  
AWG chart available  
comparing metric sizes  
to AWG or American

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Wire sizes.. Be sure to use this MM to AWG conversion calculator often. If you find our MM to AWG table valuable, go ahead and bookmark it on your device.

## **MM to AWG - Wire Size Conversion Chart, Table ...**

Metric to AWG Conversion Chart. Fat Freddy wrote: > I asked this question years ago, and have

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forgotten where I wrote the answer. What is the correlation in wire size between those used in the Bentley wiring diagrams and what I'm used to at the local hardware store? The wiring diagrams show sizes of 0.5, 0.75, 1.0, 1.5, 2.5, 4.0, and 6.0.

## **Metric to AWG Conversion Chart - ratwell.com**

A Simple Guide on

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Cable AWG to Metric  
Conversions.

Categories:

Information, Nicab Blog

We still live in an

engineering

environment where the

use of AWG standard

cables are prevalent

mainly due to the fact

that just like the US \$,

the American UL

(United Laboratories)

system is dominant

world wide and

generally more

accepted globally than

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the British standards.

## **A Simple Guide on Cable AWG to Metric Conversions - Nicab**

AWG. METRIC (mm 2)

Our nearest Cable.

Approx. 22. 0.33.

0.5mm 2. 21. 0.41.

0.5mm 2. 20. 0.52.

0.5mm 2. 19. 0.65.

0.75mm 2. 18. 0.82.

1.0mm 2. 17. 1.04.

1.0mm 2. 16. 1.31.

1.5mm 2. 15. 1.65.

2mm 2. 14. 2.08. 2mm

2. 13. 2.62. 3mm 2. 12.



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3.31. 3mm 2. 11. 4.17.  
4.5 mm 2. 10. 5.26.  
6mm 2. 9. 6.63. 7mm  
2. 8. 8.37. 8.5mm 2. 7.  
10.5. 10mm 2. 6. 13.3.  
16mm 2. 5. 16.8.  
16mm 2 or 20 mm 2.  
4. 21.1. 20mm 2 or 25  
mm 2. 3. 26.7. 25mm 2  
or 30 mm 2. 2. 33.6.  
35mm 2. 1. 42.4.  
40mm 2. 1/0=0. 53.5.  
50mm 2. 2/0 ...

## **American Wire Gauge to Metric Conversion Table ...**

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How to convert AWG to mm. When calculating AWG from diameter or cross sectional area, the diameter and cross sectional area are rounded to the nearest AWG equivalent values. Wire diameter calculation. The n gauge wire diameter  $d_n$  in millimeters (mm) is equal to  $0.127\text{mm}$  times  $92$  raised to the power of  $36$  minus gauge number  $n$ , divided by  $39$ :

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## **AWG to mm/mm<sup>2</sup> | Gauge to mm conversion**

Metric Wire	Approximate	Equivalent Wire	Diameter Overall Circ.	Circ. Awg. Size Per	Strand Diameter Mils	Mils Size mm <sup>2</sup> in mm
	in mm - 987	- 0.50	1/.032	1/.813	.032	0.81
	1020	- 20	- 7/.0121	7/.307	.036	0.91
	1480	- 0.75	1/.039	1/.991	.039	0.99
						1620

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- 18 - 1/.0403 1/1.02  
.040 1.02 1620 - 18 -  
7/.0152 7/.386 .046  
1.16

## **AWG VS. METRIC WIRE SIZES - Allan Gartner**

Our Tri-Rated cable,  
compliant with  
American standard  
UL758, can be  
converted to AWG  
cable conductor sizes if  
required. The most  
common method of  
referring to conductor

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sizes uses the cross-sectional area, expressed in  $\text{mm}^2$ . The following AWG metric conversion table converts AWG to mm and inches, and also lists the cross sectional area. AWG ...

## **FAQ: AWG chart and the metric system | Eland Cables**

Mil means 1/1000 inch  
Circular Mil means the area of a circle 1/1000 inch in diameter AWG

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= -4.3125 LN (mm<sup>2</sup>) +  
17.16 (approx  
interpolated) AWG =  
-4.3125 LN (inch<sup>2</sup>) -  
10.74 (approx  
interpolated)

## **AWG Wire Chart, Aught, MCM kcmil, US Inch, and Metric Wire ...**

Wire Size Conversion  
Chart GAUGE SWG B&S  
/ AWG GAUGE SWG  
B&S / AWG inch mm  
inch mm inch mm inch  
mm 7/0 .500 12.70 - -

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23 .024 0.610 .0226  
.0574 6/0 .464 11.79 ...

## Size Conversion Table - Alloy Wire International

Equivalent Circ. Mils:  
Awg. Size: Metric Wire  
Size mm 2: Stranding/  
Wire Dia. per Strand:  
Approximate Overall  
Diameter: in: mm: in:  
mm-1020-1620  
1620--987-1480--1974  
1974-20-18  
18--0.50-0.75--1.0 1.0:  
1/.032 7/.0121 1/.039

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1/.0403 7/.0152 1/.045  
7/.017: 1/.813 7/.307  
1/.991 1/1.02 7/.386  
1/1.14  
7/.432.032.036.039

## **Electrical Wire Gauge - metric to American Wire Gauge to ...**

Conversion table:  
American Wire Gauge  
[AWG] and metric wire  
standards The  
American Wire Gauge  
is a measure for how  
thick a wire is. The



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number was originally related the amount of stretching that was needed to produce such a wire. The higher the number the thinner the wire. The metric system outside of the Americas uses the cross sectional area ...

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