

Genel Tanımlar

General Definitions

Dönüşüm Tabloları ve Formüller
Conversion Table and Formulas

Kablolar / Cables and Wires

Amerikan Kablo ölçüleri Dönüşüm Tablosu
Conversion Table of American Wire Sizes

AWG #	Circ.Mils.	A=mm ²
26	238 - 300	0.12 - 0.15
24	315 - 477	0.16 - 0.24
22	600 - 750	0.30 - 0.38
20	100 - 1200	0.51 - 0.61
18	1600 - 1900	0.81 - 0.96
16	2400 - 2830	1.22 - 1.43
14	3830 - 4500	1.94 - 2.28
12	6100 - 6700	3.09 - 3.40
10	9000 - 13100	4.56 - 6.64
8	13200 - 16900	6.69 - 8.56
6	22800 - 30900	11.55 - 15.66
4	38900 - 49100	19.71 - 24.88
2	60100 - 66800	30.45 - 33.85
1	75800 - 84000	38.41 - 42.56
1/0	99100 - 105800	50.21 - 53.61
2/0	124900 - 133800	63.29 - 67.80
3/0	157600 - 168000	79.86 - 85.12
4/0	198700 - 212200	100.68 - 107.52
250 - 300 MCM	250000 - 300000	117 - 151.0
300 - 350 MCM	300000 - 350000	151 - 192.0
400 MCM	400000	205
500 - 600 MCM	500000 - 600000	252 - 304

AWG = American Wire Gauge / Amerikan Kablo Tell Ölçüsü

Circular Mil Area (CMA): Area of a circle of 1 Mil diameter

1x1 = 1 Circ. Mil. (1 Mil. = 0.001 inch = 0.0254 mm)

1 Circle Mil. = 0.0005066 mm²

1 mm² = 1973.51 Circ. Mils.

Kablo kesit formülü:

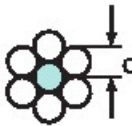
A = Kablo Kesiti (mm²)

n = Kablo tel sayısı

Formula to determine the wire cross-section area:

A = Wire cross-section area (mm²)

n = Number of strands

$$A = \frac{\pi \cdot d^2}{4} \times n$$


Civatalar / Bolts

Standart Civata Tablosu / Standard Bolts Table

DIN	USA	British Assoc.
M 2	1 = 1,9 mm	9 BA = 1,9 mm
	2 = 2,2 mm	8 BA = 2,2 mm
M 2,6	3 = 2,5 mm	7 BA = 2,5 mm
M 3	4 = 2,8 mm	6 BA = 2,8 mm
	5 = 3,2 mm	5 BA = 3,2 mm
M 3,5	6 = 3,5 mm	4 BA = 3,5 mm
M 4	8 = 4,2 mm	3 BA = 4,2 mm
M 5	10 = 4,8 mm	2 BA = 4,8 mm
	12 = 5,5 mm	1 BA = 5,5 mm
M 6	14 = 6,1 mm	0 BA = 6,1 mm
	1/4" = 6,35 mm	1/4" = 6,35 mm
M 8	5/16" = 7,9 mm	5/16" = 7,9 mm
M 10	3/8" = 9,5 mm	3/8" = 9,5 mm
M 12	7/16" = 11,1 mm	7/16" = 11,1 mm
	1/2" = 12,7 mm	1/2" = 12,7 mm
M 16	5/8" = 15,8 mm	5/8" = 15,8 mm
M 20	3/4" = 19,0 mm	3/4" = 19,0 mm
M 26	1" = 25,4 mm	1" = 25,4 mm