

Vergleichstabellen Cross-reference lists

Umrechnung des Inch Equivalents of an Inch

Umrechnung mm in Inch Converting Millimeter to Inch

Fraction inch	Decimal inch	Millimeter mm
1/64	.015625	0.397
1/32	.031250	0.794
3/64	.046875	1.191
1/16	.062500	1.588
5/64	.078125	1.984
3/32	.093750	2.381
7/64	.109375	2.778
1/8	.125000	3.175
9/64	.140625	3.572
5/32	.156250	3.969
11/64	.171875	4.366
3/16	.187500	4.763
13/64	.203125	5.159
7/32	.218750	5.556
15/64	.234375	5.953
1/4	.250000	6.350
17/64	.265625	6.747
9/32	.281250	7.144
19/64	.296875	7.541
5/16	.312500	7.938
21/64	.328125	8.334
11/32	.343750	8.731
23/64	.359375	9.128
3/8	.375000	9.525
25/64	.390625	9.922
13/32	.406250	10.319
27/64	.421875	10.716
7/16	.437500	11.113
29/64	.453125	11.509
15/32	.468750	11.906
31/64	.484375	12.303
1/2	.500000	12.700
33/64	.515625	13.097
17/32	.531250	13.494
35/64	.546875	13.891
9/16	.562500	14.288
37/64	.578125	14.684
19/32	.593750	15.081
39/64	.609375	15.478
5/8	.625000	15.875
41/64	.640625	16.272
21/32	.656250	16.669
43/64	.671875	17.066
11/16	.687500	17.463
45/64	.703125	17.859
23/32	.718750	18.256
47/64	.734375	18.653
3/4	.750000	19.050
49/64	.765625	19.447
25/32	.781250	19.844
51/64	.796875	20.241
13/16	.812500	20.638
53/64	.828125	21.034
27/32	.843750	21.431
55/64	.859375	21.828
7/8	.875000	22.225
57/64	.890625	22.622
29/32	.906250	23.019
59/64	.921875	23.416
15/16	.937500	23.813
61/64	.953125	24.209
31/32	.968750	24.606
63/64	.984375	25.003
1	1.000000	25.400

mm	inch
0,5	.019
0,8	.031
1	.039
1,1	.043
1,2	.047
1,5	.059
1,6	.063
1,8	.070
2	.079
2,3	.090
2,5	.098
2,6	.102
3	.118
3,2	.126
3,5	.138
3,6	.141
4	.157
4,3	.169
4,5	.177
5	.197
5,5	.216
5,8	.229
6	.236
6,5	.256
6,8	.268
7	.276
7,5	.295
8	.315
8,5	.335
9	.354
9,5	.374
10	.393
10,5	.413
11	.433
11,5	.453
12	.472
12,5	.492
13	.512
13,5	.532
14	.551
14,5	.571
15	.591
15,5	.610
16	.630
16,5	.650
17	.669
17,5	.689
18	.709
18,5	.728
19	.748
19,5	.768
20	.787
20,5	.807
21	.827
21,5	.847
22	.866
22,5	.886
23	.906
23,5	.925
24	.945
24,5	.965
25	.984
25,5	1.004
26	1.024

mm	inch
26,5	1.043
27	1.063
27,5	1.083
28	1.102
28,5	1.122
29	1.142
29,5	1.161
30	1.181
30,5	1.201
31	1.220
31,5	1.240
32	1.260
32,5	1.280
33	1.299
33,5	1.319
34	1.339
34,5	1.358
35	1.378
35,5	1.398
36	1.417
36,5	1.437
37	1.457
37,5	1.477
38	1.496
38,5	1.516
39	1.535
39,5	1.555
40	1.575
40,5	1.559
41	1.614
41,5	1.634
42	1.654
42,5	1.674
43	1.693
43,5	1.713
44	1.732
44,5	1.752
45	1.772
45,5	1.792
46	1.811
46,5	1.831
47	1.850
47,5	1.870
48	1.890
48,5	1.910
49	1.929
49,5	1.949
50	1.969
50,5	1.989
51	2.008
51,5	2.028
52	2.047
52,5	2.067
53	2.087
53,5	2.107
54	2.126
54,5	2.146
55	2.165
55,5	2.185
56	2.204
69	2.716

Vergleichstabellen Cross-reference lists

Umrechnung der gängigen amerikanischen Leiter 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	1000 - 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
300 - 350 MCM	300000 - 350000	151 - 192
400 MCM	400000	205
500 - 600 MCM	500000 - 600000	252 - 304

AWG = American Wire Gauge

Circ. Mils.: Der Circ. Mils.-Wert eines Kreises mit d = 1 Mil. beträgt:

$$1 \times 1 = 1 \text{ Circ. Mil. (1 Mil. = 0,001 inch = 0,0254 mm)}$$

$$1 \text{ Circ. Mil.} = 0,0005066 \text{ mm}^2$$

$$1 \text{ mm}^2 = 1973,51 \text{ Circ. Mils.}$$

Formel zur Bestimmung des Leiterquerschnittes

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

A = Leiterquerschnitt in mm²

n = Anzahl Einzeldrähte



AWG = American Wire Gauge

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

$$1 \times 1 = 1 \text{ Circ. Mil. (1 Mil. = 0.001 inch = 0.0254 mm)}$$

$$1 \text{ Circ. Mil.} = 0.0005066 \text{ mm}^2$$

$$1 \text{ mm}^2 = 1973.51 \text{ Circ. Mils.}$$

Formula to determine the wire size

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

A = Wire size in mm²

n = Number of strands

