



Metric to US Conversions

Application Data

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Wire Conversion Table
Comparison of Cross-sectional Areas to Metric and US Standards

Metric Cross-sectional Areas (in line with VDE)		American Wire Gauge	
Cross-sectional Area mm ²	Equivalent Metric C.S.A. mm ²	AWG or MCM	
0.75	0.635	19 AWG	
	0.823	18	
	1.04	17	
1.5	1.31	16	
	1.65	15	
	2.08	14	
2.5	2.62	13	
	3.31	12	
4	4.17	11	
	5.26	10	
6	6.63	9	
	8.37	8	
10	10.55	7	
	13.30	6	
16	16.77	5	
	21.15	4	
25	26.67	3	
	33.63	2	
35	42.41	1	
	53.48	1/0	
50	67.43	2/0	
	85.03	3/0	
70	107.20	4/0	
	126.64	250 MCM	
120	152.00	300	
	177.35	350	
185	202.71	400	
	253.35	500	
240	304.00	600	
	354.71	700	
400	405.35	800	
	506.71	1000	
500			
625			

Other Conversions

Power Conversions		
1 kilowatt (kW)	=	1.341 horsepower (hp)
1 horsepower (hp)	=	0.7457 kilowatt (kW)
Dimensions Conversions		
1 inch (in.)	=	25.4 millimeters (mm)
1 inch (in.)	=	2.54 centimeters (cm)
1 centimeter (cm)	=	0.3937 inches (in.)
1 meter (m)	=	39.37 inches (in.)
Weight Conversions		
1 ounce (oz.)	=	28.35 grams (g)
1 pound (lb.)	=	0.454 kilograms (kg)
1 kilogram (kg)	=	2.205 pounds (lbs.)
Temperature Conversions		
100 Celsius	=	212 Fahrenheit
80 Celsius	=	176 Fahrenheit
60 Celsius	=	140 Fahrenheit
40 Celsius	=	104 Fahrenheit
20 Celsius	=	68 Fahrenheit
0 Celsius	=	32 Fahrenheit
Torque		
1 Newton-meter (Nm)	=	8.85 pound-inches (lb. in.)