

# Cable Conversion Factors

To Convert	Multiply By
Mils to millimetres (1000 mils = 1 inch)	0.0254
Inches to centimetres	2.54
Centimetres to inches	0.3937
Feet to metres	0.3048
Metres to feet	3.2808
Yards to metres	0.9144
Metres to yards	1.0936
Miles to kilometres	1.6093
Kilometres to miles	0.6214
Square inches to circular mils	1273.24
Square inches to square millimetres	645.16
Square millimetres to square inches	0.00155
Square yards to square metres	0.8361
Square metres to square yards	1.196
Hectares to acres	2.471
Acres to hectares	0.4047
Cubic inches to cubic centimetres	16.387
Cubic centimetres to cubic inches	0.061
Cubic yards to cubic metres	0.7646
Cubic metres to cubic yards	1.308
Pounds to kilograms	0.4536
Kilograms to pounds	2.205
Tons (2240lb) to kilograms	1016
Kilograms to tons (2240lb)	0.00098
Ounces (avoirdupois) to grammes	28.35
Grammes to ounces (avoirdupois)	0.0353
Grains (Troy) to grammes	0.0648
Grammes to grains (Troy)	15.432
Gallons to litres	4.546
Litres to gallons	0.22
Horsepower to foot-pounds per minute (ft lb/min)	33000
Watts to foot-pounds per minute (ft lb/min)	44.24
Horsepower to kilowatts	0.746
Kilowatts to horsepower	1.34
Atmospheres to pounds per square inch	14.68
Miles per hour to feet per minute	88
Land miles to nautical miles	0.868
Nautical miles to land miles	1.152

## Temperature Reference

°C	°F	°C	°F	°C	°F
Zero	32.0	36	96.8	72	161.6
1	33.8	37	98.6	73	163.4
2	35.6	38	100.4	74	165.2
3	37.4	39	102.2	75	167.0
4	39.2	40	104.0	76	168.8
5	41.0	41	105.8	77	170.6
6	42.8	42	107.6	78	172.4
7	44.6	43	109.4	79	174.2
8	46.4	44	111.2	80	176.0
9	48.2	45	113.0	81	177.8
10	50.0	46	114.8	82	179.6
11	51.8	47	116.6	83	181.4
12	53.6	48	118.4	84	183.2
13	55.4	49	120.2	85	185.0
14	57.2	50	122.0	86	186.8
15	59.0	51	123.8	87	188.6
16	60.8	52	125.6	88	190.4
17	62.6	53	127.4	89	192.2
18	64.4	54	129.2	90	194.0
19	66.2	55	131.0	91	195.8
20	68.0	56	132.8	92	197.6
21	69.8	57	134.6	93	199.4
22	71.6	58	136.4	94	201.2
23	73.4	59	138.2	95	203.0
24	75.2	60	140.0	96	204.8
25	77.0	61	141.8	97	206.8
26	78.8	62	143.6	98	208.4
27	80.6	63	145.4	99	210.2
28	82.4	64	147.2	100	212.0
29	84.2	65	149.0		
30	86.0	66	150.8		
31	87.8	67	152.6		
32	89.6	68	154.4		
33	91.4	69	156.2		
34	93.2	70	158.0		
35	95.0	71	159.8		

### Temperature Conversion:

°F to °C, subtract 32 and multiply by 0.555

°C to °F, multiply by 1.8 and add 32