

# Conversion Factors

LENGTH			AREA			METRIC PREFIXES	
inch	x 25.40	= millimeters	sq. inch	x 6.452	= sq. centimeter	millimeter	mm
millimeters	x 0.0397	= inches	sq. centimeter	x 0.1550	= sq. inch	centimeter	cm
feet	x 0.3048	= meters	sq. foot	x 0.0929	= sq. meter	meter	m
meters	x 3.281	= feet	sq. meter	x 10.76	= sq. foot	kilometer	km
miles	x 1.609	= kilometers	<b>MASS</b>			gram	g
kilometers	x 0.6214	= miles	ounce	x 28.35	= gram	kilogram	kg
ohms/kilometer	x 0.3048	= ohms/1000 ft.	gram	x 0.0352	= ounce	sq. millimeter	mm <sup>2</sup>
ohms/1000 ft.	x 3.2808	= ohms/kilometer	pound	x 0.4536	= kilogram	sq. centimeter	cm <sup>2</sup>
			kilogram	x 2.205	= pound	sq. meter	m <sup>2</sup>
			kilogr./kilom.	x 0.6214	= pounds/1000 ft.	sq. kilometer	km <sup>2</sup>
			pounds/1000 ft.	x 1.4881	= kilogr./kilom.		

## American to Metric Cable Sizes Cross Reference AWG To MM<sup>2</sup>

AWG	MM2	AWG	MM2
30	0.05	6	16
28	0.08	4	25
26	0.14	2	35
24	0.25	1	50
22	0.34	2/0	70
21	0.38	3/0	95
20	0.50	4/0	120
18	0.75	300MCM	150
17	1.0	350MCM	185
16	1.5	500MCM	240
14	2.5	600MCM	300
12	4	750MCM	400
10	6	1000MCM	500
8	10		

## Degrees Centigrade Versus Degrees Fahrenheit

°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
-80	-112.0	-20	-4.0	5	41.0	30	86.0	55	131.0	80	176.0	105	221.0	130	266.0
-70	-94.0	-19	-2.2	6	42.8	31	87.8	56	132.8	81	177.8	106	222.8	131	267.8
-60	-65.0	-18	-0.4	7	44.6	32	89.6	57	134.6	82	179.6	107	224.6	132	269.6
-50	-58.0	-17	1.4	8	46.4	33	91.4	58	136.4	83	181.4	108	226.4	133	271.4
-45	-49.1	-16	3.2	9	48.2	34	93.2	59	138.2	84	183.2	109	228.2	134	273.2
-40	-40.0	-15	5.0	10	50.0	35	95.0	60	140.0	85	185.0	110	230.0	135	275.0
-39	-38.2	-14	6.8	11	51.8	36	96.8	61	141.8	86	186.8	111	231.8	136	276.8
-38	-36.4	-13	8.6	12	53.6	37	98.6	62	143.6	87	188.6	112	233.6	137	278.6
-37	-34.6	-12	10.4	13	55.4	38	100.4	63	145.4	88	189.4	113	235.4	138	280.4
-36	-32.8	-11	12.2	14	57.2	39	102.2	64	147.2	89	192.2	114	237.2	139	282.2
-35	-31.0	-10	14.0	15	59.0	40	104.0	65	149.0	90	194.0	115	239.0	140	284.0
-34	-29.2	-9	15.8	16	60.8	41	105.8	66	150.8	91	195.8	116	240.8	141	285.8
-33	-27.4	-8	17.6	17	62.6	42	107.6	67	152.6	92	197.6	117	242.6	142	287.6
-32	-25.6	-7	19.4	18	64.4	43	109.4	68	154.4	93	199.4	118	244.4	143	289.4
-31	-23.8	-6	21.2	19	66.2	44	111.2	69	156.2	94	201.2	119	246.2	144	291.2
-30	-22.0	-5	23.0	20	68.0	45	113.0	70	158.0	95	203.0	120	248.0	145	293.0
-29	-20.2	-4	24.8	21	69.8	46	114.8	71	159.8	96	204.8	121	249.8	146	294.8
-28	-18.4	-3	26.6	22	71.6	47	116.6	72	161.6	97	206.6	122	251.6	147	296.6
-27	-16.6	-2	28.4	23	73.4	48	118.4	73	163.4	98	208.4	123	253.4	148	298.4
-26	-14.8	-1	30.2	24	75.2	49	120.2	74	165.2	99	210.2	124	255.2	149	300.2
-25	-13.0	0	32.0	25	77.0	50	122.0	75	167.0	100	212.0	125	257.0	150	302.0
-24	-11.2	1	33.8	26	78.8	51	123.8	76	168.8	101	213.8	126	258.8	160	320.0
-23	-9.4	2	35.6	27	80.6	52	125.6	77	170.6	102	215.6	127	260.6	170	338.0
-22	-7.6	3	37.4	28	82.4	53	127.4	78	172.4	108	217.4	128	262.4	180	356.0
-21	-5.8	4	39.2	29	84.2	54	129.2	79	174.2	104	219.2	129	264.2	190	374.0

Conversion Formula: °F = 9/5 (°C +32°)

°C = 5/9 (°F -32°)