



ALLOWABLE CONDUCTOR AMPACITIES

Based on Ambient Temperature of 30°C. 2012 Canadian Electrical Code.

AWG or KCMIL	Copper Conductors				Aluminum Conductors			
	75° C Ampacities		90° C Ampacities		75° C Ampacities		90° C Ampacities	
	Free Air	Raceway	Free Air	Raceway	Free Air	Raceway	Free Air	Raceway
	Table 1	Table 2	Table 1	Table 2	Table 3	Table 4	Table 3	Table 4
14^	30	20	35	25	--	--	--	--
12^	35	25	40	30	30	20	35	25
10^	50	35	55	40	40	30	40	35
8	70	50	80	55	55	40	60	45
6	95	65	105	75	75	50	80	55#
4	125	85	140	95	100	65	115	75
3	145	100	165	115	115	75	130	85
2	170	115	190	130	135	90	150	100
1	195	130	220	145	155	100	175	115
1/0	230	150	260	170	180	120	205	135
2/0	265	175	300	195#	210	135	235	150
3/0	310	200	350	225	240	155	270	175
4/0	360	230	405	260	280	180	315	205
250	405	255	455	290	315	205	355	230
300	445	285	500	320	350	230	395	260
350	505	310	570	350	395	250	445	280
400	545	335	615	380	425	270	480	305
500	620	380	700	430	485	310	545	350
600	690	420	780	475	545	340	615	385
750	785	475	885	535	620	385	700	435
1000	935	545	1055	615	750	445	845	500

^ See rule 14-104(2)

NOTE: # For wire 120/240 V and 120/208 V service conductors for single dwellings, or for feeder conductors supplying single dwelling units of row housing, of apartments and similar buildings, and sized in accordance with rules 8-200(1), 8-200(2), and 8-202(1), the allowable ampacity for sizes No. 2/0 AWG copper shall be 200 Amps, and No. 6 AWG aluminum shall be 60 Amps. In this case the 5% adjustment of Rule 8-106(1) cannot be applied.

Information is provided as a guideline only. Check your local code.