

NATIONAL ELECTRICAL CODE

Allowable Ampacities of Insulated Conductors Rated 0-2000 Volts

As Excerpted from the 2002 National Electrical Code

Ampacities of Not More Than Three Current-Carrying Conductors in Raceway, Cable or Earth.

Based on Ambient Temperature of 30°C (86°F)

SIZE AWG OR KCMIL	COPPER CONDUCTORS			ALUMINUM CONDUCTORS		
	TEMPERATURE RATING OF CONDUCTOR			TEMPERATURE RATING OF CONDUCTOR		
	60°C	75°C	90°C	60°C	75°C	90°C
	TYPES TW UF	TYPES THW THWN USE	TYPES THHN	TYPES TW UF	TYPES THW THWN USE	TYPES THHN
18	-	-	14*	-	-	-
16	-	-	18*	-	-	-
14	20*	20*	25*	-	-	-
12	25*	25*	30*	20*	20*	25*
10	30*	35*	40*	25*	30*	35*
8	40	50	55	30	40	45
6	55	65	75	40	50	60
4	70	85	95	55	65	75
3	85	100	110	65	75	85
2	95	115	130	75	90	100
1	110	130	150	85	100	115
1/0	125	150	170	100	120	135
2/0	145	175	195	115	135	150
3/0	165	200	225	130	155	175
4/0	195	230	260	150	180	205
250	215	255	290	170	205	230
300	240	285	320	190	230	255
350	260	310	350	210	250	280
400	280	335	380	225	270	305
500	320	380	430	260	310	350
600	355	420	475	285	340	385
700	385	460	520	310	375	420
750	400	475	535	320	385	435

* Unless otherwise specifically permitted in 240.4(E) or 240.4(G), the overcurrent protection shall not exceed 15 amperes for 14 AWG, 20 amperes for 12 AWG, and 30 amperes for 10 AWG copper; or 15 amperes for 12 AWG and 25 amperes for 10 AWG aluminum and copper-clad aluminum after any correction factors for ambient temperature and number of conductors have been applied.

