Table 1

NEC Table 310.15(B)(16) (formerly Table 310.16) Allowable Ampacities of Insulated Conductors Rated Up to and Including 2000 Volts, 60°C Through 90°C (140°F Through 194°F), Not More Than Three Current-Carrying Conductors in Raceway, Cable, or Earth (Directly Buried), Based on Ambient Temperature of 30°C (86°F)①

	Copper Conductors			Aluminum Conductors Copper-Clad Aluminum Conductors			
Size	60°C (140°F)	75°C (167°F)	90°C (194°F)	60°C (140°F)	75°C (167°F)	90°C (194°F)	Size
AWG Kcmil	Types TW UF	Types RHW THW THWN XHHW USE ZW	Types TBS SA SIS FEP FEPB RHH THHN THHW XHHW	Types TW UF	Types RHW THHW THW THWN XHHW USE	Types TBS, SA, SIS, THHN THHW THW-2, THWN-2, RHH, RHW-2 USE-2 XHH, XHHW XHHW-2, ZW-2	AWG Kcmil
18	—	—	14	—	—	—	—
16	—	—	18	—	—	—	—
14②	15	20	25	—	—	—	—
12②	20	25	30	15	20①	25①	12
10②	30	35	40	25	30①	35①	10
8	40	50	55	35	40	45	8
6	55	65	75	40	50	55	6
4	70	85	95	55	65	75	4
3	85	100	115	65	75	85	3
2	95	115	130	75	90	100	2
1	110	130	145	85	100	115	1
1/0	125	150	170	100	120	135	1/0
2/0	145	175	195	115	135	150	2/0
3/0	165	200	225	130	155	175	3/0
4/0	195	230	260	150	180	205	4/0
250	215	255	290	170	205	230	250
300	240	285	320	195	230	260	300
350	260	310	350	210	250	280	350
400	280	335	380	225	270	305	400
500	320	380	430	260	310	350	500
600	350	420	475	285	340	385	600
700	385	460	520	315	375	425	700
750	400	475	535	320	385	435	750
800	410	490	555	330	395	440	800
900	435	520	585	355	425	480	900
1000	455	545	615	375	445	500	1000
1250	495	590	665	405	485	545	1250
1500	525	625	705	435	520	585	1500
1750	545	650	735	455	545	615	1750
2000	555	665	750	470	560	630	2000

Table 2

Correction Factors for Ambient Temperature Over 30°C (86°F) Based on NEC Table 310.15(B)(2)(A)

Ambient Temperature°C	For ambient temperature over 30°C, (86°F) multiply the ampacities shown above by the appropriate factor shown below.						Ambient Temperature°F
10 or less	1.29	1.20	1.15	1.29	1.20	1.15	50 or less
11-15	1.22	1.15	1.12	1.22	1.15	1.12	51-59
16-20	1.15	1.11	1.08	1.15	1.11	1.08	60-68
21–25	1.08	1.05	1.04	1.08	1.05	1.04	69–77
26–30	1.00	1.00	1.00	1.00	1.00	1.00	78–86
31–35	.91	.94	.96	.91	.94	.96	87–95
36–40	.82	.88	.91	.82	.88	.91	96–104
41–45	.71	.82	.87	.71	.82	.87	105–113
46–50	.58	.75	.82	.58	.75	.82	114–122
51–55	.41	.67	.76	.41	.67	.76	123–131
56–60	—	.58	.71	—	.58	.71	132–140
61-65	—	0.47	0.65	—	0.47	0.65	141-149
66-70	—	0.33	0.58	—	0.33	0.58	150-158
71-75	—	—	0.50	—	—	0.50	159-167
76-80	—	—	0.41	—	—	0.41	168-176
81-85	—	—	0.29	—	—	0.29	177-185

①Refer to 310.15(B)(2) for the ampacity correction factors where the ambient temperature is other than 30°C (86°F)

②Refer to 240.4(D) for conductor overcurrent protection limitations.