

Low Voltage Cables/Copper 600 V - 2 kV



A Viakable Company

Ampacity Data

Low Voltage Cables XHHW/XHHW-2, RHH/RHW-2, USE-2, PV, SIS, RW90,

Conductor Size AWG/kcmil	Ampacity*	
	75 °C	90 °C
18	—	14
16	—	18
14	20	25
12	25	30
10	35	40
8	50	55
6	65	75
4	85	95
3	100	115
2	115	130
1	130	145
1/0	150	170
2/0	175	195
3/0	200	225
4/0	230	260
250	255	290
300	285	320
350	310	350
400	335	380
500	380	430
600	420	475
700	460	520
750	475	535
800	490	555
900	520	585
1000	545	615
1250	590	665
1500	625	705
1750	650	735
2000	665	750

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).

Conductor Size AWG/kcmil	Ampacity*	
	75 °C	90 °C
18	—	18
16	—	24
14	30	35
12	35	40
10	50	55
8	70	80
6	95	105
4	125	140
3	145	165
2	170	190
1	195	220
1/0	230	260
2/0	265	300
3/0	310	350
4/0	360	405
250	405	455
300	445	500
350	505	570
400	545	615
500	620	700
600	690	780
700	755	850
750	785	885
800	815	920
900	870	980
1000	935	1055
1250	1065	1200
1500	1175	1325
1750	1280	1445
2000	1385	1560

NEC Table 310.15(B)(17) (formerly Table 310.17) Allowable Ampacities of Single-Insulated Conductors Rated Up to and Including 2000 Volts in Free Air, Based on Ambient Temperature of 30 °C (86 °F).

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