

PORTABLE POWER CABLE

Ampacities of 0 - 2000 V. 90°C Rated DLO Cables in Air

30°C AMBIENT AIR TEMPERATURE

SIZE (AWG/MCM)	AMPACITY ¹ @ 90°C (194° F)
14	35
12	40
10	55
8	80
6	105
4	140
2	190
1	220
1/0	260
2/0	300
3/0	350
4/0	405
262	467
313	522
373	591
444	652
535	728
646	815
777	904
929	1115
1111	1120

Correction Factors for Ambient Temperatures:

For ambient temperatures other than 30°C, multiply the allowable ampacity value shown by one of the following factors:

AMBIENT TEMPERATURE	CORRECTION FACTORS FOR AMPACITY AT 90°C
31 - 35°C	.96
36 - 40°C	.91
41 - 45°C	.87
46 - 50°C	.82
51 - 55°C	.76
56 - 60°C	.71
61 - 70°C	.58
71 - 80°C	.41

¹The above ampacities are based on single conductors in free air, 30°C (86°F) ambient air temperature, conductor temperature as specified, per Table 310-17 of the 1999 NEC (adjusted for size on 262.6 MCM and larger).

Ampacities of 0 - 2 KV DLO Cables in Conduit at 90°C Conductor Temperatures

SIZE (AWG/MCM)	3 CONDUCTORS IN CONDUIT 90°C
8	55
6	75
4	95
2	130
1	150
1/0	170
2/0	195
3/0	225
4/0	260
262	296
313	326
373	362
444	400
535	445
646	493
777	545
929	589
1111	637

Correction Factors for Ambient Temperatures:

For ambient temperatures other than 30°C, multiply the allowable ampacity value shown by one of the following factors:

AMBIENT TEMPERATURE	CORRECTION FACTORS FOR AMPACITY AT 90°C
21 - 25°C	1.04
26 - 30°C	1.00
31 - 35°C	.96
36 - 40°C	.91
41 - 45°C	.87
46 - 50°C	.82
51 - 55°C	.76
56 - 60°C	.71
61 - 70°C	.58
71 - 80°C	.41

For more than three current-carrying conductors in conduit multiply the 2 conductor values by the following correction factors:

NUMBER OF CONDUCTORS	CORRECTION FACTOR
4 - 6	.80
7 - 9	.70
10 - 20	.50

NOTE:

1. If one conductor is used as a neutral or ground and does not carry current use the 3 conductor column.
2. The above values are based on a 30°C (86°F) ambient temperature per Table 310-16 of the 1999 NEC.

Information on this sheet is subject to change without notice. All diameters are nominal values. All diameters and weights are subject to normal manufacturing tolerances.



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