

MULTICONDUCTORS, WITH BARE GROUND(S) ELECTRICAL DATA

Part Number	# of Cond.	Cond. Size AWG or kcmil	DC Resistance		AC Resistance 90°C, 60 Hz Ω/kft	Inductive Reactance (Ω/kft@ 60Hz)	Voltage Drop V/(A.Kft)	Ampacities Note ¹	
			20°C Ω/kft	25°C Ω/kft				75°C	90°C
MULTICONDUCTORS, WITH BARE GROUND(S) ELECTRICAL DATA									
12001844	3	14(7w)	2.5553	2.6064	3.2583	0.0376	2.9489	15	15
12000047	4	14(7w)	2.5553	2.6064	3.2583	0.0376	2.9489	15	15
12000056	5	14(7w)	2.5553	2.6064	3.2583	0.0497	2.9542	15	15
12000057	7	14(7w)	2.5553	2.6064	3.2583	0.0545	2.9566	14	15
12000058	9	14(7w)	2.5553	2.6064	3.2583	0.0596	2.9585	14	15
12000059	12	14(7w)	2.5553	2.6064	3.2583	0.0641	2.9604	10	13
12000060	19	14(7w)	2.5553	2.6064	3.2583	0.0694	2.9627	10	13
12001845	3	12(7w)	1.6082	1.6404	2.0507	0.0353	1.8610	20	20
12000048	4	12(7w)	1.6082	1.6404	2.0507	0.0353	1.8610	20	20
12000061	7	12(7w)	1.6082	1.6404	2.0507	0.0526	1.8685	18	20
12000062	12	12(7w)	1.6082	1.6404	2.0507	0.0620	1.8726	13	15
12001846	3	10(7w)	1.0118	1.2902	1.2902	0.0332	1.1756	30	30
12000049	4	10(7w)	1.0118	1.2902	1.2902	0.0332	1.1756	28	30

Notes:

1) Ampacities are in accordance with NEC Table 310.15(B)(16) for conductors in raceway or direct buried at 30°C ambient temperature and 90°C conductor temperature. The overcurrent protection shall not exceed 15 amperes for 14 AWG, 20 amperes for 12 AWG, and 30 amperes for 10 AWG copper conductors after any correction factors for ambient temperature and number of conductors have been applied (NEC Article 240.4(D)). For correction factors for different ambient temperatures and ampacities at different conductor temperatures, see NEC Table 310.15(B)(16). Ampacities for cables having more than three conductors have been derated per NEC Article 310.15(B)(3)(a).

2) Three conductor cables with 3 grounds are also suitable for VFD applications.