

### 3 AND 4 CONDUCTORS WITH BARE GROUNDS ELECTRICAL DATA

Part Number	Cond. Size AWG or kcmil	Ground Wire Size AWG	DC Resistance		AC Resistance 90°C, 60 Hz Ω/kft	Inductive Reactance (Ω/kft @60Hz)	Voltage Drop V/(A.Kft)	Ampacities Note <sup>1</sup>	
			20°C Ω/kft	25°C Ω/kft				75°C	90°C
<b>3 CONDUCTORS WITH 3 BARE GROUNDS<sup>2</sup> ELECTRICAL DATA</b>									
12001847	8(7w)	3x14	0.6361	0.6488	0.8111	0.0348	0.7452	50	55
12001848	6(7w)	3x12	0.4002	0.4082	0.5104	0.0329	0.4737	65	75
12001849	4(7w)	3x12	0.2516	0.2566	0.3209	0.0312	0.3025	85	95
12001850	2(7w)	3x10	0.1574	0.1605	0.2009	0.0299	0.1938	115	130
12001823	1/0(19w)	3x10	0.0999	0.1019	0.1278	0.0281	0.1272	150	170
12001838	2/0(19w)	3x10	0.0797	0.0813	0.1021	0.0280	0.1041	175	195
12001839	3/0(19w)	3x8	0.0629	0.0642	0.0808	0.0275	0.0847	200	225
12001840	4/0(19w)	3x8	0.0497	0.0507	0.0641	0.0271	0.0695	230	260
12001841	250(37w)	3x8	0.0424	0.0432	0.0584	0.0263	0.0608	255	290
12001842	350(37w)	3x6	0.0301	0.0307	0.0395	0.0263	0.0470	310	350
12001843	500(37w)	3x6	0.0212	0.0216	0.0290	0.0250	0.0367	380	430
<b>4 CONDUCTORS WITH 1 BARE GROUND ELECTRICAL DATA</b>									
12000050	8(7w)	10	0.6361	0.6488	0.8111	0.0348	0.7472	50	55
12000051	6(7w)	8	0.4002	0.4082	0.5104	0.0329	0.4737	65	75
12000053	2/0(19w)	6	0.0791	0.0806	0.1011	0.0281	0.1033	175	195
12000054	4/0(19w)	4	0.0497	0.0507	0.0641	0.0271	0.0694	230	260
<b>Notes:</b>									
<sup>1</sup> Ampacities are based on NEC Table 310.15(B)(16) for not more than three current-carrying conductors in raceway, cable, or earth (direct buried), based on an ambient temperature of 30°C (86°F). Refer to NEC Table 310.15(B)(2) for the ampacity correction factors where the ambient temperature is other than 30°C (86°F).									
<sup>2</sup> Three conductor cables with 3 ground wires are also excellent for use with variable frequency drives. In addition to UL, these 3-conductor constructions are also certified to CSA C22.2 No. 123 and CSA C22.2 No. 174.									