






Table I

Current carrying capacities of three single core 0.6/1 kV unscreened flexible cables with V-75 or V-90 insulation

Conductor Size	Current carrying capacity, A				
	Unenclosed				Enclosed
	Spaced 	Spaced from surface 	Touching 	Exposed to sun 	Wiring enclosed in air 
mm ²	Cu	Cu	Cu	Cu	Cu
1	18	16	15	9	15
1.5	24	21	19	11	17
2.5	31	27	25	15	23
4	42	36	34	19	31
6	54	47	43	24	39
10	75	65	62	33	52
16	100	86	81	43	70
25	133	114	107	56	89
35	165	143	133	67	112
50	209	179	168	83	137
70	263	226	211	101	173
95	318	272	254	119	203
120	377	324	301	137	243
150	437	374	348	154	275
185	499	429	399	170	316
240	602	514	479	196	383
300	694	592	552	218	432
400	837	708	659	246	526
500	975	817	762	270	593
630	1153	950	884	299	675

These ratings are based on 30°C ambient air temperature and 15°C ambient soil temperature. Maximum conductor temperature 90°C. Copyright Standard New Zealand 2011. This data is based on content from Table 7, AS/NZS 3008.1.2:2010. For other conditions refer to the Standard for full details.

Approx. de-rating for different Ambient Temp.	°C	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
	Factor		1.15	1.12	1.08	1.04	1.00	0.96	0.91	0.87	0.82	0.76	0.65	0.58	0.50	0.41

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