





Table 4

Current carrying capacities of two core 0.6/1kV insulated and sheathed (including copper braid screened) flexible cables with or without earth conductor, with V-75 or V-90 insulation

Conductor Size	Current carrying capacity, A			
	Unenclosed			Enclosed
	Spaced 	Touching 	Exposed to sun 	Wiring enclosed in air 
mm ²	Cu	Cu	Cu	Cu
1	18	17	14	15
1.5	23	21	16	19
2.5	30	29	22	26
4	40	38	30	33
6	51	48	36	43
10	72	67	51	58
16	95	89	67	78
25	125	119	88	99
35	156	146	107	124
50	195	184	133	153
70	245	230	165	193
95	293	275	194	226
120	347	325	227	269
150	397	372	257	304
185	450	422	287	348
240	536	500	335	420
300	612	572	377	473
400	725	676	438	570
500	830	773	491	643

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 10, 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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