





Table 5

Current carrying capacities of two core 0.6/1kV insulated and sheathed (including copper braid screened) flexible cables with or without earth conductor, with R-90 or X-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	21	20	18	18
1.5	26	25	22	22
2.5	35	33	29	30
4	47	44	39	39
6	61	56	48	48
10	86	79	68	68
16	113	106	90	88
25	150	141	119	117
35	186	174	147	142
50	234	219	184	179
70	296	276	230	228
95	354	330	273	266
120	419	391	321	318
150	482	449	366	361
185	549	510	415	413
240	656	609	491	483
300	750	696	558	562
400	892	826	657	655
500	1025	948	747	769

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 11, 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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