





**Table 6**

**Current carrying capacities of three core and four 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 <sup>2</sup>	Cu	Cu	Cu	Cu
1	15	15	11	13
1.5	19	18	14	16
2.5	25	24	18	22
4	34	32	25	27
6	43	41	32	36
10	62	58	43	49
16	81	76	57	65
25	107	101	74	83
35	133	125	91	105
50	169	157	114	128
70	211	197	140	162
95	253	236	165	196
120	299	278	193	227
150	343	319	219	261
185	390	363	245	352
240	464	431	286	-
300	529	490	321	-
400	626	579	372	-
500	715	661	416	-

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 13, 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

Copyright Standards New Zealand 2011. Selected tables from AS/NZS 3008.1.2:2010 Electrical installations - Selection of cables - Cables for alternating voltages up to and including 0.6/1 kV - Typical New Zealand conditions have been reproduced with permission from Standards New Zealand under Licence. Please refer to Standards New Zealand for the complete Standard available for purchase at [www.standards.co.nz](http://www.standards.co.nz).

Firstflex has taken every precaution to ensure accurate information in this catalogue, but accept no liability for any errors or omissions. Firstflex reserves the right to modify specifications at any time.