CONSTRUCTION – PVC CABLES 0.6 / 1 kV – CONTROL 2.5MM² 2-50C+E SWA

Physical & Electrical Characteristics

Product code	Cable									Min. installed bending radius mm
	Conductor nominal C.S.A. mm²	Number of cores	Nominal insulation thickness mm	Diameter under armour		Armour wire diameter mm	Overall diameter		Approx. mass kg/100 m	
				Minimum mm	Maximum mm		Minimum mm	Maximum mm		
2.52CECONA	2.5	2	0.8	9.7	10.3	1.25	15.8	16.8	57	200
2.53CECONA	2.5	3	0.8	10.6	11.3	1.25	16.7	17.7	65	210
2.54CECONA	2.5	4	0.8	11.7	12.3	1.25	17.8	18.8	72	230
2.55CECONA	2.5	5	0.8	13.1	13.8	1.25	19.2	20.3	80	240
2.56CECONA	2.5	6	0.8	13.1	13.8	1.25	19.2	20.3	82	240
2.57CECONA	2.5	7	0.8	15.3	16.0	1.25	21.4	22.5	95	270
2.58CECONA	2.5	8	0.8	16.4	17.2	1.25	22.5	23.6	103	290
2.510CECONA	2.5	10	0.8	16.7	17.4	1.25	22.8	24.0	109	290
2.512CECONA	2.5	12	0.8	17.3	18.0	1.60	24.1	25.2	133	300
2.515CECONA	2.5	15	0.8	19.2	20.0	1.60	26.0	27.2	151	330
2.520CECONA	2.5	20	0.8	22.5	23.3	1.60	29.3	30.5	183	370
2.525CECONA	2.5	25	0.8	24.0	24.7	1.60	31.0	32.1	207	390
2.530CECONA	2.5	30	0.8	26.5	27.3	1.60	33.5	34.6	234	420
2.540CECONA	2.5	40	0.8	30.2	30.6	2.00	38.4	39.2	313	470
2.550CECONA	2.5	50	0.8	33.0	33.6	2.00	41.4	42.3	361	510

Number of cores	Current rating (a)			Electrical characteristics	
	Unenclosed spaced A	Buried direct A	Underground in duct A	Maximum D.C. resistance at 20°C Ω/km	Reactance per core Ω/km
2	27	40	31	7.41	0.102
3	23	34	26	7.41	0.102
4	23	34	26	7.41	0.102
5	20	32	20	7.41	0.102
6	18	29	19	7.41	0.102
7	18	28	18	7.41	0.102
8	17	27	18	7.41	0.102
10	16	25	16	7.41	0.102
12	15	24	15	7.41	0.102
15	14	22	14	7.41	0.102
20	12	20	13	7.41	0.102
25	11	18	12	7.41	0.102
30	11	18	11	7.41	0.102
40	10	16	10	7.41	0.102
50	10	16	10	7.41	0.102

(a) Based on 75 °C conductor temperature, 40 °C ambient air temperature and where applicable, burial depth of 0.5 m, soil temperature of 25 °C and soil thermal resistivity of 1.2 °C.m/W. Refer to AS/NZS 3008.1 for other installation conditions.