

# 0.6/1KV CONTROL CABLE

## 0.6/1KV • Control Cable



No. of cores	Nominal Area (mm <sup>2</sup> )	Maximum Cable O.D (mm)	Nett Weight (Kg/Km)	Maser Code
2 Core	1.5mm	11.2	129	MASCC102/1.5
	2.5mm	12.4	165	MASCC102/2.5
3 Core	1.5mm	11.8	145	MASCC103/1.5
	2.5mm	13.1	202	MASCC103/2.5
4 Core	1.5mm	12.7	183	MASCC104/1.5
	2.5mm	14.1	244	MASCC104/2.5
7 Core	1.5mm	14.6	253	MASCC107/1.5
	2.5mm	16.4	351	MASCC107/2.5
12 Core	1.5mm	18.5	416	MASCC112/1.5
	2.5mm	21.0	584	MASCC112/2.5
19 Core	1.5mm	21.4	563	MASCC119/1.5
	2.5mm	24.3	808	MASCC119/2.5
27 Core	1.5mm	25.4	811	MASCC127/1.5
	2.5mm	29.1	1172	MASCC127/2.5
37 Core	1.5mm	28.3	999	MASCC137/1.5
	2.5mm	32.4	1467	MASCC137/2.5

Physical Characteristics	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>
Conductor	Stranded Tinned Copper	
Conductor Stranding	7/0.50	7/0.67
Insulation	PVC, V90HT, White (Numbered)	
Insulation Thickness (mm)	0.8	0.8
Separator	PET Tape or Non-Woven Tape	
Sheath	SPVC, 5V-90, Flame Retardant, UV Resistant	
Bending Radius (Fixed)	12D (D = Cable Diameter)	
Armour (Where applicable)	Galvanised Steel Wire	
Electrical Characteristics	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>
Voltage	0.6/1KV	
Operating Temp.	-20°C to +90°C	
<b>STANDARDS:</b> AS/NZS1125, AS/NZS3008, AS/NZS3808, AS/NZS5000.1, IEC60332-1-2, (SWA: IEC60332-3-22), RoHS Compliant		

Conductor Size (mm <sup>2</sup> )	Nominal Amps Unenclosed, Fixed, Touching	Nominal Amps Buried Direct in ground	Max. D.C. Resistance @ 20°C (Ω/KM)	3 Phase Voltage Drop (@ 50Hz & 90°C) mV/A.m
1.5mm	17 Amps	20 Amps	13.6	30.0
2.5mm	25 Amps	28 Amps	7.41	16.40

## SWA Armoured 0.6/1KV • Control Cable



No. of Cores	Nominal Area (mm <sup>2</sup> )	Nominal Overall Bedding (mm)	Nominal Overall Armour (mm)	Nominal Inner Jacket Thickness (mm)	Size of Steel Wire (mm)	Nominal Outer Jacket Thickness (mm)	Maximum Overall Diameter (mm)	Nett Weight (Kg/Km)	Maser Code
2 Core	1.5mm	10.0	11.8	1.0	0.90	1.8	15.4	371	MASCC102/1.5SWA
	2.5mm	11.1	12.9	1.0	0.90	1.8	16.5	432	MASCC102/2.5SWA
3 Core	1.5mm	10.6	12.4	1.0	0.90	1.8	16.0	385	MASCC103/1.5SWA
	2.5mm	11.8	13.6	1.0	0.90	1.8	17.2	443	MASCC103/2.5SWA
4 Core	1.5mm	11.4	13.2	1.0	0.90	1.8	16.8	419	MASCC104/1.5SWA
	2.5mm	12.8	14.6	1.0	0.90	1.8	18.2	504	MASCC104/2.5SWA
7 Core	1.5mm	13.4	15.2	1.0	0.90	1.8	18.8	524	MASCC107/1.5SWA
	2.5mm	15.2	17.7	1.0	1.25	1.8	21.3	783	MASCC107/2.5SWA
12 Core	1.5mm	17.4	19.9	1.0	1.25	1.8	23.5	906	MASCC112/1.5SWA
	2.5mm	19.7	22.2	1.0	1.25	1.8	25.8	1130	MASCC112/2.5SWA
19 Core	1.5mm	20.3	23.5	1.0	1.60	1.8	27.1	1261	MASCC119/1.5SWA
	2.5mm	23.1	26.3	1.0	1.60	1.8	29.9	1706	MASCC119/2.5SWA
27 Core	1.5mm	23.7	26.9	1.0	1.60	1.8	30.5	1771	MASCC127/1.5SWA
	2.5mm	27.4	30.6	1.0	1.60	1.8	34.2	2109	MASCC127/2.5SWA
37 Core	1.5mm	27.3	30.5	1.0	1.60	1.8	34.1	1921	MASCC137/1.5SWA
	2.5mm	31.0	34.2	1.0	1.60	2.0	38.2	2526	MASCC137/2.5SWA

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