

MASCP SWA Series

MULTICORE + EARTH – STEEL WIRE ARMoured

1.5mm – 6.0mm 0.6/1KV PVC 90°C

APPLICATION: Suitable for Mains and Sub-mains where Mechanical Protection is required. Suitable for Direct Burial and Outdoor Installations.



MASCP3G/xxx SWA



MASCP4G/xxx SWA



MASCP5G/xxx SWA

Physical Characteristics	
Conductor	Stranded Tinned Copper
Insulation	PVC, V90HT
Core Colours	2C+E (3G) Red, Black, Green/Yellow 3C+E (4G) Red, White, Blue, Green/Yellow 4C+E (5G) Red, White, Blue, Black, Green/Yellow
Separator	PET Tape or Non-Woven Tape
Sheath	SPVC, 5V-90, Black
Bending Radius (Fixed)	12D (D = Cable Diameter)
Armour	Galvanised Steel Wire
Sheath	PVC, 5V-90, Flame Retardant, UV Resistant Black PVC
Operating Temp.	-20°C to +90°C
Electrical Characteristics	
Voltage	0.6/1KV
STANDARDS: AS/NZS1125, AS/NZS3008, AS/NZS3808, AS/NZS5000.1, IEC60332-1-2, IEC60332-3-22, AS/NZS60079.14, RoHS Compliant	

Conductor Size (mm ²)	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
4.0mm	33 Amps	36 Amps	4.61	10.20
6.0mm	42 Amps	46 Amps	3.08	6.80

Cable Description	Number of Cores / Size	Insulation Thickness	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
1.5mm 2C+E	2x1.5+E1.5 (7/0.50+7/0.67)	0.8/0.8	10.4	12.2	1.0	0.90	1.8	15.8	373	MASCP3G/1.5SWA
2.5mm 2C+E	2x2.5+E2.5 (7/0.67+7/0.67)	0.8/0.8	11.5	13.3	1.0	0.90	1.8	16.9	437	MASCP3G/2.5SWA
4.0mm 2C+E	2x4.0+E2.5 (7/0.85+7/0.67)	1.0/0.8	13.1	14.9	1.0	0.90	1.8	18.5	518	MASCP3G/4.0SWA
6.0mm 2C+E	2x6.0+E2.5 (7/1.04+7/0.67)	1.0/0.8	14.3	16.8	1.0	1.25	1.8	20.4	711	MASCP3G/6.0SWA
1.5mm 3C+E	3x1.5+E1.5 (7/0.50+7/0.67)	0.8/0.8	11.3	13.1	1.0	0.90	1.8	16.7	420	MASCP4G/1.5SWA
2.5mm 3C+E	3x2.5+E2.5 (7/0.67+7/0.67)	0.8/0.8	12.5	14.3	1.0	0.90	1.8	17.9	498	MASCP4G/2.5SWA
4.0mm 3C+E	3x4.0+E2.5 (7/0.85+7/0.67)	1.0/0.8	14.7	17.2	1.0	1.25	1.8	20.8	738	MASCP4G/4.0SWA
6.0mm 3C+E	3x6.0+E2.5 (7/1.04+7/0.67)	1.0/0.8	15.9	18.4	1.0	1.25	1.8	22.0	842	MASCP4G/6.0SWA
1.5mm 4C+E	4x1.5+E1.5 (7/0.50+7/0.67)	0.8/0.8	12.3	14.1	1.0	0.90	1.8	17.7	462	MASCP5G/1.5SWA
2.5mm 4C+E	4x2.5+E2.5 (7/0.67+7/0.67)	0.8/0.8	13.6	15.4	1.0	0.90	1.8	19.0	554	MASCP5G/2.5SWA
4.0mm 4C+E	4x4.0+E2.5 (7/0.85+7/0.67)	1.0/0.8	16.2	18.7	1.0	1.25	1.8	22.3	829	MASCP5G/4.0SWA
6.0mm 4C+E	4x6.0+E2.5 (7/1.04+7/0.67)	1.0/0.8	17.7	20.2	1.0	1.25	1.8	23.8	959	MASCP5G/6.0SWA

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MASCPX SWA Series

MULTICORE + EARTH – STEEL WIRE ARMoured

10.0mm – 95.0mm 0.6/1KV XLPE-90°C

APPLICATION: Suitable for Mains and Sub-mains where Mechanical Protection is required. Suitable for Direct Burial and Outdoor Installations.



MASCPX3G/xxx SWA



MASCPX4G/xxx SWA



MASCPX5G/xxx SWA

Physical Characteristics	
Conductor	Stranded Tinned Copper
Insulation	XLPE X-90
Core Colours	2C+E (3G) Red, Black, Green/Yellow 3C+E (4G) Red, White, Blue, Green/Yellow 4C+E (5G) Red, White, Blue, Black, Green/Yellow
Separator	PET Tape or Non-Woven Tape
Sheath	PVC, 5V-90, Black
Bending Radius (Fixed)	12D (D = Cable Diameter)
Armour	Galvanised Steel Wire
Sheath	PVC, 5V-90, Flame Retardant, UV Resistant Black PVC
Operating Temp.	-20°C to +90°C
Electrical Characteristics	
Voltage	0.6/1KV
STANDARDS: AS/NZS1125, AS/NZS3008, AS/NZS3808, AS/NZS5000.1, IEC60332-1-2, IEC60332-3-22, AS/NZS60079.14, RoHS Compliant	

Conductor Size (mm ²)	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
10.0mm	68 Amps	67 Amps	1.83	4.05
16.0mm	91 Amps	118 Amps	1.15	2.55
25.0mm	122 Amps	153 Amps	0.727	1.61
35.0mm	151 Amps	184 Amps	0.524	1.17
50.0mm	185 Amps	218 Amps	0.387	0.868
70.0mm	234 Amps	269 Amps	0.268	0.609
95.0mm	289 Amps	322 Amps	0.177	0.450

Cable Description	Number of Cores / Size	Insulation Thickness	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
10.0mm 2C+E	2x10.0+E4.0 (7/1.35+7/0.85)	0.7/0.7	13.8	16.3	1.0	1.25	1.8	19.9	803	MASCPX3G/10.0SWA
16.0mm 2C+E	2x16.0+E6.0 (7/1.70+7/1.04)	0.7/0.7	15.9	18.4	1.0	1.25	1.8	22.0	1014	MASCPX3G/16.0SWA
25.0mm 2C+E	2x25.0+E6.0 (19/1.35+7/1.04)	0.9/0.7	19.3	22.5	1.0	1.60	1.8	26.1	1464	MASCPX3G/25.0SWA
10.0mm 3C+E	3x10.0+E4.0 (7/1.35+7/0.85)	0.7/0.7	15.3	17.8	1.0	1.25	1.8	21.4	955	MASCPX4G/10.0SWA
16.0mm 3C+E	3x16.0+E6.0 (7/1.70+7/1.04)	0.7/0.7	17.6	20.1	1.0	1.25	1.8	23.7	1226	MASCPX4G/16.0SWA
25.0mm 3C+E	3x25.0+E6.0 (19/1.35+7/1.04)	0.9/0.7	20.6	23.8	1.0	1.60	1.8	27.4	1749	MASCPX4G/25.0SWA
35.0mm 3C+E	3x35.0+E10.0 (19/1.53+7/1.04)	0.9/0.7	23.0	26.2	1.0	1.60	1.8	29.8	2166	MASCPX4G/35.0SWA
50.0mm 3C+E	3x50.0+E16.0 (19/1.78+7/1.70)	1.0/0.7	26.5	29.7	1.0	1.60	1.9	33.5	2813	MASCPX4G/50.0SWA
70.0mm 3C+E	3x70.0+E25.0 (19/2.14+19/1.35)	1.1/0.9	32.6	36.6	1.2	2.00	2.1	40.8	4002	MASCPX4G/70.0SWA
95.0mm 3C+E	3x95.0+E25.0 (37/1.78+19/1.35)	1.1/0.9	35.7	39.7	1.2	2.00	2.2	44.1	4865	MASCPX4G/95.0SWA
10.0mm 4C+E	4x10.0+E4.0 (7/1.35+7/0.85)	0.7/0.7	16.9	19.4	1.0	1.25	1.8	23.0	1123	MASCPX5G/10.0SWA
16.0mm 4C+E	4x6.0+E6.0 (7/1.70+7/1.04)	0.7/0.7	19.5	22.7	1.0	1.60	1.8	26.3	1603	MASCPX5G/16.0SWA
25.0mm 4C+E	4x25.0+E6.0 (19/1.35+7/1.04)	0.9/0.7	23.2	26.4	1.0	1.60	1.8	30.0	2114	MASCPX5G/25.0SWA
35.0mm 4C+E	4x35.0+E10.0 (19/1.53+7/1.04)	0.9/0.7	25.9	29.1	1.0	1.60	1.9	32.9	2656	MASCPX5G/35.0SWA
50.0mm 4C+E	4x50.0+E16.0 (19/1.78+7/1.70)	1.0/0.7	31.3	35.3	1.2	2.00	2.0	39.3	3756	MASCPX5G/50.0SWA
70.0mm 4C+E	4x70.0+E25.0 (19/2.14+19/1.35)	1.1/0.9	37.0	41.0	1.2	2.00	2.2	45.4	4978	MASCPX5G/70.0SWA
95.0mm 4C+E	4x95.0+E25.0 (37/1.78+19/1.35)	1.1/0.9	40.7	44.7	1.2	2.00	2.3	49.3	6110	MASCPX5G/95.0SWA

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