



MAXCAB CONSTRUCTION CABLES & BUILDING WIRE

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CW SERIES

Standard Performance Fixed Building / Conduit Wire 0.6/1kV 90°C



APPLICATIONS:

- Power** Suitable for switchboards and panel wiring.
- Control & Signals** Suitable for control panel wiring.
- Enclosures** Wiring in metal / PVC conduit and other protective enclosures.
- Earthing** Wiring in housing and light commercial buildings. Also suitable for earth bonding.

PRODUCT FEATURES:

- ▶ Flame retardant
- ▶ UV stabilised
- ▶ Tight bending radius
- ▶ Metre marked 0.5mm to 25mm for better length control
- ▶ Oil and chemical resistant (See Technical Section)

CONSTRUCTION:

- Conductor** Annealed plain copper stranded (Class 2).
- Insulation** SPVC V-90HT.

CHARACTERISTICS:

- Operating Temperature Range** Fixed -5°C to 90°C.
- Maximum Conductor Temperature** 105°C (Current ratings are based on 30°C air temp. See technical section for de-rating factors).
- Rated Voltage** U_0/U 0.6/1kV. **Max AC Operating Voltage** U_0 0.7kV.
- Minimum Bending Radius** Fixed 7 x cable diameter.
- Insulation Colours**
(use colour letters at end of code when ordering)
G/Y - Green/Yellow
BK - Black
BL - Blue
RD - Red
WH - White. Other colours available on request.
- Relevant Standards** AS/NZS 5000.1, AS/NZS 3808, AS/NZS 3008, AS/NZS 1125, **CE** Directive 2006/95/EC, **RoHS** Compliant.

Code	No. of Cores x Size (mm ²)	Approx. Stranding No. of wires x mm	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)	Nominal Amps @ 30°C Fixed Installation Single Phase		Single Phase Volt Drop 90°C (Mv/Am)
					Conduit in air	Unenclosed in air	
CW001.5	1 x 1.5	7/0.5	3.3	25	21	22	34.6
CW002.5	1 x 2.5	7/0.67	3.7	35	27	31	18.9
CW004	1 x 4.0	7/0.85	4.7	55	36	41	11.7
CW006	1 x 6.0	7/1.04	5.3	70	47	52	7.82
CW010	1 x 10.0	7/1.35	6.1	120	62	72	4.67
CW016	1 x 16.0	7/1.70	7.1	180	80	95	2.94
CW025	1 x 25.0	7/2.14	8.9	285	107	129	1.87
CW035	1 x 35.0	19/1.53	10.3	370	128	158	1.35
CW050	1 x 50.0	19/1.78	12.0	515	157	194	1.007
CW070	1 x 70.0	19/2.14	13.3	730	194	246	0.710
CW095	1 x 95.0	37/1.78	15.9	980	242	306	0.527
CW120	1 x 120	37/2.03	16.4	1250	276	358	0.430

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FLEXIBLE SINGLE CORE CABLES

CFX SERIES

**Standard Performance Flexible
(Fixed application) SDI Cable
0.6/1kV 90°C**



APPLICATIONS:

Power Switchboards, submains & subcircuits, buried & in underground or overhead ducts, transformers, load banks or other equipment requiring fixed applications.

Pumping Suitable for permanent submersion to 200 metres.

Generator Sets As leads for temporary power supplies.

Telecommunications Where finely stranded large cross section cables are required for minimal volt drop in a fixed application.

PRODUCT FEATURES:

- ▶ Small overall diameter for tight spaces
- ▶ Flame retardant
- ▶ Water and moisture resistant
- ▶ Suitable for permanent submersion to 200 metres
- ▶ UV stabilised
- ▶ Heat, oil and chemical resistant (See Technical Section)

CONSTRUCTION:

Conductor Annealed plain copper stranded flexibility (Class 5).

Insulation XLPE.

Sheath 5V-90

CHARACTERISTICS:

Operating Temperature Range Fixed -40°C to 90°C

Maximum Conductor Temperature 90°C (Current ratings are based on 30°C air temp. See technical section for de-rating factors).




Rated Voltage U_0/U 0.6/1kV.

Max AC Operating Voltage U_0 0.7kV.

Minimum Bending Radius Fixed 4 x cable diameter / Flexing 6 x cable diameter.

Sheath Colour Black. (Red subject to availability).

Relevant Standards IEC 60332-1, AS/NZS 5000.1, AS/NZS 1125, AS/NZS 3808, AS/NZS 3008, **RoHS** Compliant.

Code	No. of Cores x Size (mm ²)	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)	Nominal Amps un-enclosed protected from sun @ 30°C fixed installation 3 Phase			3 Phase Volt Drop @50Hz / MAX. Conductor Temp: 90°C (Mv/Am)
				Spaced 	Spaced from Surface 	Touching 	
CFX016	1 x 16.0	9.20	215	117	100	94	2.550
CFX025	1 x 25.0	10.82	310	156	133	125	1.620
CFX035	1 x 35.0	12.00	415	195	166	158	1.170
CFX050	1 x 50.0	13.72	560	245	210	194	0.872
CFX070	1 x 70.0	15.60	780	311	265	248	0.615
CFX095	1 x 95.0	17.25	990	375	319	298	0.457
CFX120	1 x 120.0	19.00	1270	447	381	354	0.373
CFX150	1 x 150.0	21.05	1575	517	440	409	0.316
CFX185	1 x 185.0	23.21	1945	594	505	470	0.269
CFX240	1 x 240.0	25.74	2420	716	608	565	0.227
CFX300	1 x 300.0	28.25	3150	827	701	650	0.202
CFX400	1 x 400.0	32.11	4370	1000	840	780	0.183
CFX500	1 x 500.0	35.75	5275	1168	972	903	0.170
CFX630	1 x 630.0	40.57	6400	1382	1133	1052	0.160

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MC SERIES

Standard Performance Fixed Circular TPS Cable 450/750V 90°C



APPLICATIONS:

- Power** Suitable for mains and submains in a fixed application.
- Direct Burial** Suited for direct burial or underground ducting.
- Outdoor Use** Suitable for outdoor use and wet locations not subject to mechanical damage.
- Hazardous Areas** With correct explosion proof glands this cable can be installed in locations subject to explosion hazards AS/NZS 60079.14.

PRODUCT FEATURES:

- ▶ Suitable for circuits buried direct
- ▶ Metre marking for better length control
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Heat, oil and chemical resistant (See Technical Section)


Note: Standard Core MC Series meets AS/NZS 5000.2.
Multi Core MC Series (7 core and above) meets AS/NZS 5000.3.

CONSTRUCTION:

- Conductor** Annealed plain copper stranded (Class 2).
- Insulation** SPVC V-90.
- Sheath** SPVC 5V-90.

CHARACTERISTICS:

- Operating Temperature Range** Fixed -20 to 90°C.
- Maximum Conductor Temperature** 90°C (Current ratings are based on 30°C air temp. See technical section for de-rating factors).
- Rated Voltage** Uo/U 450/750V.
- Minimum Bending Radius** Fixed 12 x cable diameter.
- Sheath Colour** Black.
- Standard Core Colour** 3 Core – Red, Black, Green/Yellow
4 Core – Red, White, Blue, Green/Yellow.
5 Core – Red, White, Blue, Black, Green/Yellow.
Multi Core – White (numbered) + Green/Yellow.
- Relevant Standards** AS/NZS 5000.2, AS/NZS 5000.3, AS/NZS 1125, AS/NZS 3808, AS/NZS 3008, IEC 60332-1-2, AS/NZS 60079.14, **RoHS** Compliant.

Code	No. of Cores x Size (mm ²)	Approx. Stranding No. of wires x mm	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)	Nominal Amps un-enclosed @ 30°C fixed application		3 Phase Volt Drop @50Hz / MAX. Conductor Temp: 90°C (Mv/Am)
					Touching		
MC03/1.5	2x1.5+E1.5	7/0.50+7/0.50	8.5	99	17		30.0
MC03/2.5	2x2.5+E2.5	7/0.67+7/0.67	10.0	147	25		16.4
MC03/4.0	2x4.0+E2.5	7/0.85+7/0.67	11.6	198	33		10.2
MC03/6.0	2x6.0+E2.5	7/1.04+7/0.67	12.8	246	42		6.8
MC04/1.5	3x1.5+E1.5	7/0.50+7/0.50	9.2	122	17		30.0
MC04/2.5	3x2.5+E2.5	7/0.67+7/0.67	11.1	189	25		16.4
MC04/4.0	3x4.0+E2.5	7/0.85+7/0.67	12.7	253	33		10.2
MC04/6.0	3x6.0+E2.5	7/1.04+7/0.67	14.0	323	42		6.8
MC05/1.5	4x1.5+E1.5	7/0.50+7/0.50	10.0	145	17		30.0
MC05/2.5	4x2.5+E2.5	7/0.67+7/0.67	12.2	227	25		16.4
MC05/4.0	4x4.0+E2.5	7/0.85+7/0.67	14.1	316	33		10.2
MC05/6.0	4x6.0+E2.5	7/1.04+7/0.67	15.3	407	42		6.8
MC07/1.5	6x1.5+E1.5	7/0.50+7/0.50	11.4	198	17		30.0
MC12/1.5	11x1.5+E1.5	7/0.50+7/0.50	14.2	322	17		30.0
MC19/1.5	18x1.5+E1.5	7/0.50+7/0.50	16.9	448	17		30.0
MC27/1.5	26x1.5+E1.5	7/0.50+7/0.50	21.0	674	17		30.0
MC37/1.5	36x1.5+E1.5	7/0.50+7/0.50	22.8	844	17		30.0
MC07/2.5	6x2.5+E2.5	7/0.67+7/0.67	13.2	302	25		16.4
MC12/2.5	11x2.5+E2.5	7/0.67+7/0.67	17.4	485	25		16.4
MC19/2.5	18x2.5+E2.5	7/0.67+7/0.67	20.8	755	25		16.4
MC27/2.5	26x2.5+E2.5	7/0.67+7/0.67	24.9	1015	25		16.4
MC37/2.5	36x2.5+E2.5	7/0.67+7/0.67	28.1	1388	25		16.4

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MCN SERIES

Standard Performance Fixed Circular TPS Cable 450/750V 90°C (No-Earth)



APPLICATIONS:

Power Suitable for mains and submains in a fixed application.

Direct Burial Suited for direct burial or underground ducting.

Outdoor Use Suitable for outdoor use and wet locations not subject to mechanical damage.

Hazardous Areas With correct explosion proof glands this cable can be installed in locations subject to explosion hazards AS/NZS 60079.14.

PRODUCT FEATURES:

- ▶ Suitable for circuits buried direct
- ▶ Metre marking for better length control
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Heat, oil and chemical resistant (*See Technical Section*)

CONSTRUCTION:

Conductor Annealed plain copper stranded (Class 2).

Insulation SPVC V-90.

Sheath SPVC 5V-90.

CHARACTERISTICS:

Operating Temperature Range Fixed -20 to 90°C.

Maximum Conductor Temperature 90°C (Current ratings are based on 30°C air temp. See technical section for de-rating factors).

Rated Voltage Uo/U 450/750V.

Minimum Bending Radius Fixed 12 x cable diameter.

Sheath Colour Black.

Standard Core Colour Multi Core – White (numbered)

Relevant Standards AS/NZS 5000.3, AS/NZS 1125, AS/NZS 3808, AS/NZS 3008, IEC 60332-1-2, AS/NZS 60079.14, **RoHS** Compliant.

Code	No. of Cores x Size (mm ²)	Approx. Stranding No. of wires x mm	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)	Nominal Amps un-enclosed @ 30°C fixed application		3 Phase Volt Drop @50Hz / MAX. Conductor Temp: 90°C (Mv/Am)
					Touching		
MCN04/1.5	4 x 1.5	7/0.50	9.5	129	17		30.0
MCN04/2.5	4 x 2.5	7/0.67	11.4	218	25		16.4
MCN07/1.5	7 x 1.5	7/0.50	11.4	198	17		30.0
MCN07/2.5	7 x 2.5	7/0.67	13.2	302	25		16.4
MCN12/1.5	12 x 1.5	7/0.50	14.2	322	17		30.0
MCN12/2.5	12 x 2.5	7/0.67	17.4	485	25		16.4
MCN19/1.5	19 x 1.5	7/0.50	16.9	448	17		30.0
MCN19/2.5	19 x 2.5	7/0.67	20.8	755	25		16.4
MCN27/1.5	27 x 1.5	7/0.50	21.0	674	17		30.0
MCN27/2.5	27 x 2.5	7/0.67	24.9	1015	25		16.4
MCN37/1.5	37 x 1.5	7/0.50	22.8	844	17		30.0
MCN37/2.5	37 x 2.5	7/0.67	28.1	1388	25		16.4



MCX SERIES

High Performance Fixed Circular
TPS Cable 0.6/1kV 90°C



APPLICATIONS:

Power Suitable for mains and submains in a fixed application.

Direct Burial Suited for direct burial or underground ducting.

Outdoor Use Suitable for outdoor use and wet locations not subject to mechanical damage.

Flexible Class 5 conductors for easy installation in fixed applications.

Hazardous Areas With correct explosion proof glands this cable can be installed in locations subject to explosion hazards AS/NZS 60079.14.

PRODUCT FEATURES:

- ▶ Flexible Class 5 conductors for easy installation
- ▶ Suitable for circuits buried direct
- ▶ Metre marking for better length control
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Heat, oil and chemical resistant (See Technical Section)

CONSTRUCTION:

Conductor Annealed plain copper stranded high flexibility (Class 5).

Insulation X-90.

Sheath SPVC 5V-90.

CHARACTERISTICS:

Operating Temperature Range Fixed -20 to 90°C.

Maximum Conductor Temperature 90°C (Current ratings are based on 30°C air temp. See technical section for de-rating factors).

Rated Voltage U_o/U 0.6/1kV.

Minimum Bending Radius Fixed 12 x cable diameter.

Sheath Colour Black.

Standard Core Colour

3 Core – Red, Black, Green/Yellow.

4 Core – Red, White, Blue, Green/Yellow.

5 Core – Red, White, Blue, Black, Green/Yellow.

Relevant Standards AS/NZS 5000.1, AS/NZS 1125, AS/NZS 3008, AS/NZS 3808, IEC 60332-1-2, AS/NZS 60079.14, **RoHS** Compliant.

Code	No. of Cores x Size (mm ²)	Approx. Stranding No. of wires x mm	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)	Nominal Amps un-enclosed @ 30°C fixed application		3 Phase Volt Drop @50Hz / MAX. Conductor Temp: 90°C (Mv/Am)
					Touching		
MCX03/10	2x10+E4.0	80/0.40+56/0.30	16.4	394	68		4.05
MCX03/16	2x16+E6.0	128/0.40+84/0.30	18.8	547	91		2.55
MCX03/25	2x25+E6.0	200/0.40+84/0.30	22.8	749	122		1.61
MCX04/10	3x10+E4.0	80/0.40+56/0.30	17.6	503	58		4.05
MCX04/16	3x16+E6.0	128/0.40+84/0.30	20.3	735	78		2.55
MCX04/25	3x25+E6.0	200/0.40+84/0.30	24.7	996	104		1.61
MCX04/35	3x35+E10	280/0.40+80/0.40	27.7	1332	128		1.17
MCX04/50	3x50+E16	400/0.40+128/0.40	32.2	1764	156		0.868
MCX04/70	3x70+E25	356/0.50+200/0.40	37.5	2508	196		0.609
MCX04/95	3x95+E25	485/0.50+200/0.40	42.4	3397	243		0.450
MCX05/10	4x10+E4.0	80/0.40+56/0.30	19.1	617	58		4.05
MCX05/16	4x16+E6.0	128/0.40+84/0.30	22.1	912	78		2.55
MCX05/25	4x25+E6.0	200/0.40+84/0.30	26.9	1252	104		1.61
MCX05/35	4x35+E10	280/0.40+80/0.40	30.3	1680	128		1.17
MCX05/50	4x50+E16	400/0.40+128/0.40	35.4	2258	156		0.868
MCX05/70	4x70+E25	356/0.50+200/0.40	41.4	3237	196		0.609
MCX05/95	4x95+E25	485/0.50+200/0.40	46.8	4389	243		0.450

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MCH SWA SERIES

**Standard Performance Fixed SWA
Circular TPS Cable 0.6/1kV 90°C**



APPLICATIONS:

Control and Signals For control circuits unenclosed, enclosed, direct burial.

Direct Burial Steel armour provides mechanical protection, allowing for the cable to withstand higher stresses, be buried directly and used in external or underground projects.

Outdoor Use Suitable for outdoor use and wet locations where mechanical protection is required.

Armour For Earthing The armouring is normally connected to earth and can be used as the circuit protective conductor (earth wire).

Hazardous Areas With correct explosion proof glands this cable can be installed in locations subject to explosion hazards AS/NZS 60079.14.

PRODUCT FEATURES:

- ▶ Suitable for circuits buried direct
- ▶ Steel wire armoured
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Metre marking for better length control
- ▶ Heat, oil and chemical resistant (*See Technical Section*)

CONSTRUCTION:

Conductor Annealed plain copper stranded (Class 2).

Insulation V-90.

Bedding Sheath SPVC 5V-90.

Armoured Galvanised steel wire armoured.

Outer Sheath SPVC 5V-90.

CHARACTERISTICS:

Operating Temperature Range Fixed -20 to 90°C.

Maximum Conductor Temperature 90°C (Current ratings are based on 30°C air temp. See technical section for de-rating factors).

Rated Voltage 0.6/1kV.

Minimum Bending Radius Fixed 12 x cable diameter.

Sheath Colour Black.

Standard Core Colour Multi Core – White (numbered).

Relevant Standards AS/NZS 1125, AS/NZS 3008, AS/NZS 3808, AS/NZS 5000.1, IEC 60332-1-2, AS/NZS 60079.14,

RoHS Compliant.

Code	No. of Cores x Size (mm ²)	Approx. Stranding No. of wires x mm	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)	Nominal Amps		Max. D.C. Resistance @ 20°C m Ω/mt	Single Phase Volt Drop Conductor Temp: 75°C (Mv/Am)	Gland Size CW or FW
					un-enclosed protected from sun @ 30°C fixed application	Nominal Amps Buried Direct			
MCH02/1.5SWA	2 x 1.5	7/0.50	14.0	340	Touching	17	13.6	33	GMCW20S
MCH02/2.5SWA	2 x 2.5	7/0.67	15.0	400	Touching	25	7.41	18	GMCW20S
MCH03/1.5SWA	3 x 1.5	7/0.50	14.5	350	Touching	17	13.6	33	GMCW20S
MCH03/2.5SWA	3 x 2.5	7/0.67	15.6	430	Touching	25	7.41	18	GMCW20S
MCH04/1.5SWA	4 x 1.5	7/0.50	15.3	400	Touching	17	13.6	33	GMCW20S
MCH04/2.5SWA	4 x 2.5	7/0.67	16.5	490	Touching	25	7.41	18	GMCW20S
MCH07/1.5SWA	7 x 1.5	7/0.5	17.2	520	Touching	17	13.6	33	GMCW20S
MCH07/2.5SWA	7 x 2.5	7/0.67	19.6	760	Touching	25	7.41	18	GMCW20
MCH12/1.5SWA	12 x 1.5	7/0.50	21.8	880	Touching	17	13.6	33	GMCW25S
MCH12/2.5SWA	12 x 2.5	7/0.67	23.8	1090	Touching	25	7.41	18	GMCW25
MCH19/1.5SWA	19 x 1.5	7/0.50	25.2	2010	Touching	17	13.6	33	GMCW25
MCH19/2.5SWA	19 x 2.5	7/0.67	27.7	1640	Touching	25	7.41	18	GMCW32
MCH25/1.5SWA	25 x 1.5	7/0.50	28.8	1198	Touching	17	13.6	18	GMCW32
MCH27/1.5SWA	27 x 1.5	7/0.50	29.0	1595	Touching	17	13.6	33	GMCW32
MCH27/2.5SWA	27 x 2.5	7/0.67	31.2	2010	Touching	25	7.41	18	GMCW32
MCH37/1.5SWA	37 x 1.5	7/0.50	31.7	1676	Touching	17	13.6	33	GMCW32
MCH37/2.5SWA	37 x 2.5	7/0.67	35.9	2410	Touching	25	7.41	18	GMCW40

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MCP SWA SERIES

**Standard Performance Fixed SWA
Circular TPS Cable 0.6/1kV 90°C**



APPLICATIONS:

Power Suitable for mains and submains in a fixed application.

Direct Burial Steel armour provides mechanical protection, allowing for the cable to withstand higher stresses, be buried directly and used in external or underground projects.

Outdoor Use Suitable for outdoor use and wet locations where mechanical protection is required.

Hazardous Areas With correct explosion proof glands this cable can be installed in locations subject to explosion hazards AS/NZS 60079.14.

PRODUCT FEATURES:

- ▶ Suitable for circuits buried direct
- ▶ Steel wire armoured
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Metre marking for better length control
- ▶ Heat, oil and chemical resistant (See Technical Section)

CONSTRUCTION:

Conductor Annealed plain copper stranded (Class 2).

Insulation V-90.

Bedding Sheath SPVC 5V-90.

Armoured Galvanised steel wire armoured.

Outer Sheath SPVC 5V-90.

CHARACTERISTICS:

Operating Temperature Range Fixed -20 to 90°C

Maximum Conductor Temperature 90°C (Current ratings are based on 30°C air temp. See technical section for de-rating factors).

Rated Voltage U₀/U 0.6/1kV.

Minimum Bending Radius Fixed 12 x cable diameter.

Sheath Colour Black.

Standard Core Colours



2 Cores + E: Red, Black, Green/Yellow.

3 Cores + E: Red, White, Blue, Green/Yellow.

4 Cores + E: Red, White, Blue, Black, Green/Yellow.

Relevant Standards AS/NZS 1125, AS/NZS 3008, AS/NZS 3808, AS/NZS 5000.1, IEC 60332-1-2, AS/NZS 60079.14,

RoHS Compliant.

Code	No. of Cores x Size	Approx. Stranding	Approx. Overall Diameter	Approx. Weight	Nominal Amps un-enclosed protected from sun @ 30°C fixed application	Nominal Amps Buried Direct	Max. D.C. Resistance	3 Phase Volt Drop Conductor Temp:	Gland Size
	(mm ²)	No. of wires x mm	(mm)	(Kg/Km)	Touching 		@ 20°C m Ω/mt	75°C (Mv/Am)	CW or FW
MCP03G1.5SWA	2x1.5+E1.5	7/0.50+7/0.50	15	380	17	20	13.6	28.6	GMCW20S
MCP03G2.5SWA	2x2.5+E2.5	7/0.67+7/0.67	16.1	450	25	28	7.41	15.6	GMCW20
MCP03G4.0SWA	2x4.0+E2.5	7/0.85+7/0.67	17.8	665	36	36	4.61	9.71	GMCW20
MCP03G6.0SWA	2x6.0+E2.5	7/1.04+7/0.67	19.0	750	42	46	3.08	6.49	GMCW20
MCP04G1.5SWA	3x1.5+E1.5	7/0.50+7/0.50	15.8	430	17	20	13.6	28.6	GMCW20S
MCP04G2.5SWA	3x2.5+E2.5	7/0.67+7/0.67	17.0	510	25	28	7.41	15.6	GMCW20
MCP04G4.0SWA	3x4.0+E2.5	7/0.85+7/0.67	19.5	760	36	36	4.61	9.71	GMCW25S
MCP04G6.0SWA	3x6.0+E2.5	7/1.04+7/0.67	20.8	880	42	46	3.08	6.49	GMCW25S
MCP05G1.5SWA	4x1.5+E1.5	7/0.50+7/0.50	16.7	490	17	20	13.6	28.6	GMCW20
MCP05G2.5SWA	4x2.5+E2.5	7/0.67+7/0.67	18.1	710	25	28	7.41	15.6	GMCW20
MCP05G4.0SWA	4x4.0+E2.5	7/0.85+7/0.67	20.9	850	36	36	4.61	9.71	GMCW25S
MCP05G6.0SWA	4x6.0+E2.5	7/1.04+7/0.67	22.4	980	42	46	3.08	6.49	GMCW25S

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MCX SWA SERIES

**Standard Performance Fixed SWA
Circular TPS Cable 0.6/1kV 90°C**



APPLICATIONS:

Power Suitable for mains and submains in a fixed application.

Direct Burial Steel armour provides mechanical protection, allowing for the cable to withstand higher stresses, be buried directly and used in external or underground projects.

Outdoor Use Suitable for outdoor use and wet locations where mechanical protection is required.

Hazardous Areas With correct explosion proof glands this cable can be installed in locations subject to explosion hazards AS/NZS 60079.14.

PRODUCT FEATURES:

- ▶ Suitable for circuits buried direct
- ▶ Steel wire armoured
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Metre marking for better length control
- ▶ Heat, oil and chemical resistant (See *Technical Section*)

CONSTRUCTION:

Conductor Annealed plain copper stranded (Class 2).

Insulation X-90.

Bedding Sheath SPVC 5V-90.

Armoured Galvanised steel wire armoured.

Outer Sheath SPVC 5V-90.

CHARACTERISTICS:

Operating Temperature Range Fixed -20 to 90°C

Maximum Conductor Temperature 90°C (Current ratings are based on 30°C air temp. See technical section for de-rating factors).

Rated Voltage U_o/U 0.6/1kV.

Minimum Bending Radius Fixed 12 x cable diameter.

Sheath Colour Black. (Orange on request).

Standard Core Colours

3 Cores: Red, Black, Green/Yellow.

4 Cores: Red, White, Blue, Green/Yellow.

5 Cores: Red, White, Blue, Black, Green/Yellow

Relevant Standards AS/NZS 5000.1, AS/NZS 1125, AS/NZS 3008, AS/NZS 3808, IEC 60332-1-2, AS/NZS 60079.14, **RoHS** Compliant.

Code	No. of Cores x Size (mm ²)	Approx. Stranding No. of wires x mm	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)	Nominal Amps un-enclosed @ 30°C fixed application		3 Phase Volt Drop @ 50Hz/Max Conductor Temp 90°C (Mv/Am)
					Touching		
MCX03/10SWA	2 x 10+E4.0	7/1.35	20	890	68		4.05
MCX03/16SWA	2 x 16+E6.0	7/1.70	22.1	985	91		2.53
MCX03/25SWA	2 x 25+E6.0	19/1.35	25.1	1440	122		1.61
MCX04/10SWA	3 x 10+E4.0	7/1.35	22.0	1123	58		4.05
MCX04/16SWA	3 x 16+E6.0	7/1.70	24.5	1420	78		2.55
MCX04/25SWA	3 x 25+E6.0	19/1.35	28.9	1765	104		1.61
MCX04/35SWA	3 x 35+E10	19/1.53	30.7	2257	128		1.17
MCX04/50SWA	3 x 50+E16	19/1.78	32.5	2809	156		0.868
MCX04/70SWA	3 x 70.0+E25	19/2.14	38.1	4024	196		0.609
MCX04/95SWA	3 x 95.0+E25	37/1.78	41.6	4932	243		0.450
MCX05/10SWA	4 x 10+E4.0	7/1.35	22.6	1142	58		4.05
MCX05/16SWA	4 x 16+E6.0	7/1.70	25.5	1590	78		2.55
MCX05/25SWA	4 x 25+E6.0	19/1.35	29.0	2141	104		1.61
MCX05/35SWA	4 x 35+E10	19/1.53	32.0	2679	128		1.17
MCX05/50SWA	4 x 50+E16	19/1.78	36.6	3700	156		0.868
MCX05/70SWA	4 x 70.0+E25	19/2.14	41.5	4895	196		0.609
MCX05/95SWA	4 x 95.0+E25	37/1.78	45.9	6121	243		0.450

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