

MCC SWA SERIES

Standard Performance Fixed SWA
Circular TPS Cable 450/750V 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 U₀/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 1125, AS/NZS 3008, AS/NZS 3808, AS/NZS 5000.3, 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 protected from sun @ 30°C fixed application	Nominal Amps Buried Direct	Max. D.C. Resistance @ 20°C m Ω/mt	Single Phase Volt Drop Conductor Temp: 75°C (Mv/Am)	Gland Size CW or FW
					Touching 				
MCC02/1.5SWA	2 x 1.5	7/0.50	12.5	320	17	20	13.6	33	GMCW20S
MCC02/2.5SWA	2 x 2.5	7/0.67	13.9	380	25	28	7.41	18	GMCW20S
MCC03/1.5SWA	3 x 1.5	7/0.50	12.9	330	17	20	13.6	33	GMCW20S
MCC03/2.5SWA	3 x 2.5	7/0.67	14.5	410	25	28	7.41	18	GMCW20
MCC04/1.5SWA	4 x 1.5	7/0.50	13.6	380	17	20	13.6	33	GMCW20S
MCC04/2.5SWA	4 x 2.5	7/0.67	15.4	470	25	28	7.41	18	GMCW20S
MCC07/1.5SWA	7 x 1.5	7/0.5	15.3	490	17	20	13.6	33	GMCW20S
MCC07/2.5SWA	7 x 2.5	7/0.67	18.3	730	25	28	7.41	18	GMCW20
MCC12/1.5SWA	12 x 1.5	7/0.50	19.6	850	17	20	13.6	33	GMCW25S
MCC12/2.5SWA	12 x 2.5	7/0.67	22.8	1080	25	28	7.41	18	GMCW25
MCC19/1.5SWA	19 x 1.5	7/0.50	22.1	1090	17	20	13.6	33	GMCW25
MCC19/2.5SWA	19 x 2.5	7/0.67	26.6	1620	25	28	7.41	18	GMCW25
MCC25/1.5SWA	25 x 1.5	7/0.50	26.2	1178	17	20	13.6	18	GMCW25
MCC27/1.5SWA	27 x 1.5	7/0.50	26.4	1575	17	20	13.6	33	GMCW32
MCC27/2.5SWA	27 x 2.5	7/0.67	30.8	1998	25	28	7.41	18	GMCW32
MCC37/1.5SWA	37 x 1.5	7/0.50	28.8	1646	17	20	13.6	33	GMCW32
MCC37/2.5SWA	37 x 2.5	7/0.67	34.4	2388	25	28	7.41	18	GMCW40

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