

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 un-enclosed protected from sun @ 30°C fixed application Touching 	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
MCH02/1.5SWA	2 x 1.5	7/0.50	14.0	340	17	20	13.6	33	GMCW20S
MCH02/2.5SWA	2 x 2.5	7/0.67	15.0	400	25	28	7.41	18	GMCW20S
MCH03/1.5SWA	3 x 1.5	7/0.50	14.5	350	17	20	13.6	33	GMCW20S
MCH03/2.5SWA	3 x 2.5	7/0.67	15.6	430	25	28	7.41	18	GMCW20
MCH04/1.5SWA	4 x 1.5	7/0.50	15.3	400	17	20	13.6	33	GMCW20S
MCH04/2.5SWA	4 x 2.5	7/0.67	16.5	490	25	28	7.41	18	GMCW20S
MCH07/1.5SWA	7 x 1.5	7/0.5	17.2	520	17	20	13.6	33	GMCW20S
MCH07/2.5SWA	7 x 2.5	7/0.67	19.6	760	25	28	7.41	18	GMCW20
MCH12/1.5SWA	12 x 1.5	7/0.50	21.8	880	17	20	13.6	33	GMCW25S
MCH12/2.5SWA	12 x 2.5	7/0.67	23.8	1090	25	28	7.41	18	GMCW25
MCH19/1.5SWA	19 x 1.5	7/0.50	25.2	2010	17	20	13.6	33	GMCW25
MCH19/2.5SWA	19 x 2.5	7/0.67	27.7	1640	25	28	7.41	18	GMCW32
MCH25/1.5SWA	25 x 1.5	7/0.50	28.8	1198	17	20	13.6	18	GMCW32
MCH27/1.5SWA	27 x 1.5	7/0.50	29.0	1595	17	20	13.6	33	GMCW32
MCH27/2.5SWA	27 x 2.5	7/0.67	31.2	2010	25	28	7.41	18	GMCW32
MCH37/1.5SWA	37 x 1.5	7/0.50	31.7	1676	17	20	13.6	33	GMCW32
MCH37/2.5SWA	37 x 2.5	7/0.67	35.9	2410	25	28	7.41	18	GMCW40

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