

## 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.

### 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<sub>o</sub>/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 (mm <sup>2</sup> )	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		Max. D.C. Resistance @ 20°C m Ω/mt	3 Phase Volt Drop Conductor Temp:		Gland Size CW or FW
					Touching	Touching		75°C (Mv/Am)	75°C (Mv/Am)	
MCP03G1.5SWA	2x1.5+E1.5	7/0.50+7/0.50	15	380	17	20	13.6	28.6	28.6	GMCW20S
MCP03G2.5SWA	2x2.5+E2.5	7/0.67+7/0.67	16.1	450	25	28	7.41	15.6	15.6	GMCW20
MCP03G4.0SWA	2x4.0+E2.5	7/0.85+7/0.67	17.8	665	36	36	4.61	9.71	9.71	GMCW20
MCP03G6.0SWA	2x6.0+E2.5	7/1.04+7/0.67	19.0	750	42	46	3.08	6.49	6.49	GMCW20
MCP04G1.5SWA	3x1.5+E1.5	7/0.50+7/0.50	15.8	430	17	20	13.6	28.6	28.6	GMCW20S
MCP04G2.5SWA	3x2.5+E2.5	7/0.67+7/0.67	17.0	510	25	28	7.41	15.6	15.6	GMCW20
MCP04G4.0SWA	3x4.0+E2.5	7/0.85+7/0.67	19.5	760	36	36	4.61	9.71	9.71	GMCW25S
MCP04G6.0SWA	3x6.0+E2.5	7/1.04+7/0.67	20.8	880	42	46	3.08	6.49	6.49	GMCW25S
MCP05G1.5SWA	4x1.5+E1.5	7/0.50+7/0.50	16.7	490	17	20	13.6	28.6	28.6	GMCW20
MCP05G2.5SWA	4x2.5+E2.5	7/0.67+7/0.67	18.1	710	25	28	7.41	15.6	15.6	GMCW20
MCP05G4.0SWA	4x4.0+E2.5	7/0.85+7/0.67	20.9	850	36	36	4.61	9.71	9.71	GMCW25S
MCP05G6.0SWA	4x6.0+E2.5	7/1.04+7/0.67	22.4	980	42	46	3.08	6.49	6.49	GMCW25S