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 Uo/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 (mm²)	Approx. Stranding No. of wires x mm	Diameter of Bedding (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	3 Phase Volt Drop Conductor Temp: 75°C (Mv/Am)	Gland Size CW or FW
MCP03G1.5SWA	2x1.5+E1.5	7/0.50+7/0.50	9.1	15	380	17	20	13.6	28.6	GMCW20S
MCP03G2.5SWA	2x2.5+E2.5	7/0.67+7/0.67	10.1	16.1	450	25	28	7.41	15.6	GMCW20
MCP03G4.0SWA	2x4.0+E2.5	7/0.85+7/0.67	11.9	17.8	665	36	36	4.61	9.71	GMCW20
MCP03G6.0SWA	2x6.0+E2.5	7/1.04+7/0.67	13.0	19.0	750	42	46	3.08	6.49	GMCW20
MCP04G1.5SWA	3x1.5+E1.5	7/0.50+7/0.50	9.9	15.8	430	17	20	13.6	28.6	GMCW20S
MCP04G2.5SWA	3x2.5+E2.5	7/0.67+7/0.67	11.1	17.0	510	25	28	7.41	15.6	GMCW20
MCP04G4.0SWA	3x4.0+E2.5	7/0.85+7/0.67	12.9	19.5	760	36	36	4.61	9.71	GMCW25S
MCP04G6.0SWA	3x6.0+E2.5	7/1.04+7/0.67	14.2	20.8	880	42	46	3.08	6.49	GMCW25S
MCP05G1.5SWA	4x1.5+E1.5	7/0.50+7/0.50	10.8	16.7	490	17	20	13.6	28.6	GMCW20
MCP05G2.5SWA	4x2.5+E2.5	7/0.67+7/0.67	12.1	18.1	710	25	28	7.41	15.6	GMCW20
MCP05G4.0SWA	4x4.0+E2.5	7/0.85+7/0.67	14.3	20.9	850	36	36	4.61	9.71	GMCW25S
MCP05G6.0SWA	4x6.0+E2.5	7/1.04+7/0.67	15.7	22.4	980	42	46	3.08	6.49	GMCW25S