

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 | Approx. Stranding | Approx. Overall Diameter | Approx. Weight | Nominal Amps un-enclosed @ 30°C fixed application | 3 Phase Volt Drop @ 50Hz/Max Conductor Temp |
|-------------|---------------------|-------------------|--------------------------|----------------|--|---|
| | (mm ²) | No. of wires x mm | (mm) | (Kg/Km) | Touching  | 90°C (Mv/Am) |
| 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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