



MCX SERIES

High Performance Fixed Circular
TPS Cable 0.6/1kV 90°C



APPLICATIONS:

Power Suitable for mains and submains in a fixed application.

Direct Burial Suited for direct burial or underground ducting.

Outdoor Use Suitable for outdoor use and wet locations not subject to mechanical damage.

Flexible Class 5 conductors for easy installation in fixed applications.

Hazardous Areas With correct explosion proof glands this cable can be installed in locations subject to explosion hazards AS/NZS 60079.14.

PRODUCT FEATURES:

- ▶ Flexible Class 5 conductors for easy installation
- ▶ Suitable for circuits buried direct
- ▶ Metre marking for better length control
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Heat, oil and chemical resistant (See *Technical Section*)

CONSTRUCTION:

Conductor Annealed plain copper stranded high flexibility (Class 5).

Insulation X-90.

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.


Standard Core Colour

3 Core – Red, Black, Green/Yellow.

4 Core – Red, White, Blue, Green/Yellow.

5 Core – 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 (mm ²) | Approx. Stranding No. of wires x mm | Approx. Overall Diameter (mm) | Approx. Weight (Kg/Km) | Nominal Amps un-enclosed @ 30°C fixed application | | 3 Phase Volt Drop @50Hz / MAX. Conductor Temp: 90°C (Mv/Am) |
|----------|--|--|-------------------------------|------------------------|---|---|--|
| | | | | | Touching |  | |
| MCX03/10 | 2x10+E4.0 | 80/0.40+56/0.30 | 16.4 | 394 | 68 | | 4.05 |
| MCX03/16 | 2x16+E6.0 | 128/0.40+84/0.30 | 18.8 | 547 | 91 | | 2.55 |
| MCX03/25 | 2x25+E6.0 | 200/0.40+84/0.30 | 22.8 | 749 | 122 | | 1.61 |
| MCX04/10 | 3x10+E4.0 | 80/0.40+56/0.30 | 17.6 | 503 | 58 | | 4.05 |
| MCX04/16 | 3x16+E6.0 | 128/0.40+84/0.30 | 20.3 | 735 | 78 | | 2.55 |
| MCX04/25 | 3x25+E6.0 | 200/0.40+84/0.30 | 24.7 | 996 | 104 | | 1.61 |
| MCX04/35 | 3x35+E10 | 280/0.40+80/0.40 | 27.7 | 1332 | 128 | | 1.17 |
| MCX04/50 | 3x50+E16 | 400/0.40+128/0.40 | 32.2 | 1764 | 156 | | 0.868 |
| MCX04/70 | 3x70+E25 | 356/0.50+200/0.40 | 37.5 | 2508 | 196 | | 0.609 |
| MCX04/95 | 3x95+E25 | 485/0.50+200/0.40 | 42.4 | 3397 | 243 | | 0.450 |
| MCX05/10 | 4x10+E4.0 | 80/0.40+56/0.30 | 19.1 | 617 | 58 | | 4.05 |
| MCX05/16 | 4x16+E6.0 | 128/0.40+84/0.30 | 22.1 | 912 | 78 | | 2.55 |
| MCX05/25 | 4x25+E6.0 | 200/0.40+84/0.30 | 26.9 | 1252 | 104 | | 1.61 |
| MCX05/35 | 4x35+E10 | 280/0.40+80/0.40 | 30.3 | 1680 | 128 | | 1.17 |
| MCX05/50 | 4x50+E16 | 400/0.40+128/0.40 | 35.4 | 2258 | 156 | | 0.868 |
| MCX05/70 | 4x70+E25 | 356/0.50+200/0.40 | 41.4 | 3237 | 196 | | 0.609 |
| MCX05/95 | 4x95+E25 | 485/0.50+200/0.40 | 46.8 | 4389 | 243 | | 0.450 |

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