

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** Can be installed underground when installed as part of a Category B wiring system.
- 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
- ▶ 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.

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	67		4.05
MCX03/16	2x16+E6.0	128/0.40+84/0.30	18.8	547	89		2.55
MCX03/25	2x25+E6.0	200/0.40+84/0.30	22.8	749	119		1.61
MCX03/35	2x35+E10	280/0.40+80/0.40	24.7	1060	149		1.17
MCX04/10	3x10+E4.0	80/0.40+56/0.30	17.6	503	67		4.05
MCX04/16	3x16+E6.0	128/0.40+84/0.30	20.3	735	89		2.55
MCX04/25	3x25+E6.0	200/0.40+84/0.30	24.7	996	119		1.61
MCX04/35	3x35+E10	280/0.40+80/0.40	27.7	1332	149		1.17
MCX04/50	3x50+E16	400/0.40+128/0.40	32.2	1764	187		0.868
MCX04/70	3x70+E25	356/0.50+200/0.40	37.5	2508	235		0.609
MCX04/95	3x95+E25	485/0.50+200/0.40	42.4	3397	282		0.450
MCX04/120	3x120+E35	614/0.50+280/0.40	44.7	4470	333		0.366
MCX05/10	4x10+E4.0	80/0.40+56/0.30	19.1	617	67		4.05
MCX05/16	4x16+E6.0	128/0.40+84/0.30	22.1	912	89		2.55
MCX05/25	4x25+E6.0	200/0.40+84/0.30	26.9	1252	119		1.61
MCX05/35	4x35+E10	280/0.40+80/0.40	30.3	1680	149		1.17
MCX05/50	4x50+E16	400/0.40+128/0.40	35.4	2258	187		0.868
MCX05/70	4x70+E25	356/0.50+200/0.40	41.4	3237	235		0.609
MCX05/95	4x95+E25	485/0.50+200/0.40	46.8	4389	282		0.450
MCX05/120	4x120+E35	614/0.50+280/0.40	50.4	5800	300		0.366

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