



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.

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 U₀/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/A/m)
					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

Firstflex has taken every precaution to ensure accurate information in this catalogue, but accept no liability for any errors or omissions. Firstflex reserves the right to modify specifications at any time.