

MC SERIES

Standard Performance Fixed Circular
TPS Cable 450/750V 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.
- Hazardous Areas** With correct explosion proof glands this cable can be installed in locations subject to explosion hazards AS/NZS 60079.14.

PRODUCT FEATURES:

- ▶ Metre marking for better length control
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Heat, oil and chemical resistant (See Technical Section)

Note: Standard Core MC Series meets AS/NZS 5000.2.
Multi Core MC Series (7 core and above) meets AS/NZS 5000.3.

CONSTRUCTION:

- Conductor** Annealed plain copper stranded (Class 2).
- Insulation** SPVC V-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** Uo/U 450/750V.
- 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.
Multi Core – White (numbered) + Green/Yellow.
- Relevant Standards** AS/NZS 5000.2, AS/NZS 5000.3, AS/NZS 1125, AS/NZS 3808, AS/NZS 3008, IEC 60332-1,2, AS/NZS 60079.14.
- RoHS** Compliant. BEP Certified - Greenstar 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		
MC03/1.5	2x1.5+E15	7/0.50+7/0.50	8.5	99	17		30.0
MC03/2.5	2x2.5+E2.5	7/0.67+7/0.67	10.0	147	25		16.4
MC03/4.0	2x4.0+E2.5	7/0.85+7/0.67	11.6	198	33		10.2
MC03/6.0	2x6.0+E2.5	7/1.04+7/0.67	12.8	246	42		6.8
MC04/1.5	3x1.5+E15	7/0.50+7/0.50	9.2	122	17		30.0
MC04/2.5	3x2.5+E2.5	7/0.67+7/0.67	11.1	189	25		16.4
MC04/4.0	3x4.0+E2.5	7/0.85+7/0.67	12.7	253	33		10.2
MC04/6.0	3x6.0+E2.5	7/1.04+7/0.67	14.0	323	42		6.8
MC05/1.5	4x1.5+E15	7/0.50+7/0.50	10.0	145	17		30.0
MC05/2.5	4x2.5+E2.5	7/0.67+7/0.67	12.2	227	25		16.4
MC05/4.0	4x4.0+E2.5	7/0.85+7/0.67	14.1	316	33		10.2
MC05/6.0	4x6.0+E2.5	7/1.04+7/0.67	15.3	407	42		6.8
MC07/1.5	6x1.5+E15	7/0.50+7/0.50	11.4	198	17		30.0
MC12/1.5	11x1.5+E15	7/0.50+7/0.50	14.2	322	17		30.0
MC19/1.5	18x1.5+E15	7/0.50+7/0.50	16.9	448	17		30.0
MC27/1.5	26x1.5+E15	7/0.50+7/0.50	21.0	674	17		30.0
MC37/1.5	36x1.5+E15	7/0.50+7/0.50	22.8	844	17		30.0
MC07/2.5	6x2.5+E2.5	7/0.67+7/0.67	13.2	302	25		16.4
MC12/2.5	11x2.5+E2.5	7/0.67+7/0.67	17.4	485	25		16.4
MC19/2.5	18x2.5+E2.5	7/0.67+7/0.67	20.8	755	25		16.4
MC27/2.5	26x2.5+E2.5	7/0.67+7/0.67	24.9	1015	25		16.4
MC37/2.5	36x2.5+E2.5	7/0.67+7/0.67	28.1	1388	25		16.4

Profile features every strand on the outside 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.