

MCN SERIES

**Standard Performance Fixed Circular
TPS Cable 450/750V 90°C (No-Earth)**



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*)

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** U₀/U 450/750V.
- Minimum Bending Radius** Fixed 12 x cable diameter.
- Sheath Colour** Black.
- Standard Core Colour** Multi Core – White (numbered)
- Relevant Standards** AS/NZS 5000.3, AS/NZS 1125, AS/NZS 3808, AS/NZS 3008, 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		
MCN02/1.5	2 x 1.5	7/0.50	8.4	65	21		30.0
MCN02/2.5	2 x 2.5	7/0.67	9.8	107	30		16.4
MCN03/1.5	3 x 1.5	7/0.50	8.8	96	17		30.3
MCN03/2.5	3 x 2.5	7/0.67	10.6	162	25		16.4
MCN04/1.5	4 x 1.5	7/0.50	9.5	129	17		30.0
MCN04/2.5	4 x 2.5	7/0.67	11.4	218	25		16.4
MCN07/1.5	7 x 1.5	7/0.50	11.4	198	17		30.0
MCN07/2.5	7 x 2.5	7/0.67	13.2	302	25		16.4
MCN12/1.5	12 x 1.5	7/0.50	14.2	322	17		30.0
MCN12/2.5	12 x 2.5	7/0.67	17.4	485	25		16.4
MCN19/1.5	19 x 1.5	7/0.50	16.9	448	17		30.0
MCN19/2.5	19 x 2.5	7/0.67	20.8	755	25		16.4
MCN27/1.5	27 x 1.5	7/0.50	21.0	674	17		30.0
MCN27/2.5	27 x 2.5	7/0.67	24.9	1015	25		16.4
MCN37/1.5	37 x 1.5	7/0.50	22.8	844	17		30.0
MCN37/2.5	37 x 2.5	7/0.67	28.1	1388	25		16.4