

## MST SERIES

High Performance Flexible  
Appliance / Marine Wire 0.6/1kV 90°C



### APPLICATIONS:

**Power** Flexible thermal insulated wire suitable for switchboard wiring, motors and transformers.

**Marine** Tinned copper conductors for boat wiring and other marine applications.

**Audio** Amplifiers and audio equipment where oxygen-free copper wire is required.

### PRODUCT FEATURES:

- ▶ Tinned fine stranded copper conductor
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Oil and chemical resistant (See Technical Section)

### CONSTRUCTION:

**Conductor** Annealed tinned copper stranded high flexibility (Class 5).

**Insulation** SPVC V-90HT.

### CHARACTERISTICS:

**Operating Temperature Range** Fixed -20°C to 90°C / Flexing 5°C to 75°C.

**Maximum Conductor Temperature** 105°C (Current ratings are based on 30°C air temp. See technical section for de-rating factors).

**Rated Voltage** Uo/U 0.6/1kV.

**Minimum Bending Radius** Fixed 10 x cable diameter / Flexing 15 x cable diameter

#### Insulation Colour

0.5mm<sup>2</sup> ..... Red, White, Blue, Black, Grey, Brown, Pink, Orange, Green/Yellow, Violet, Yellow.

0.75 - 4.0mm<sup>2</sup> ..... Red, White, Blue, Black, Grey, Brown, Yellow, Violet, Orange, Green/Yellow, Pink.

6.0 - 10.0mm<sup>2</sup> ..... Red, White, Blue, Black, Green/Yellow.

16.0 - 25.0mm<sup>2</sup> ..... Red, White, Blue, Black, Green/Yellow.

**Relevant Standards** IEC 60228, IEC 60332-1, AS/NZS 3808, AS/NZS 3008.1, AS/NZS 3191, AS/NZS 1125, AS/NZS 5000.1,

CE Directive 2006/95/EC, **RoHS** Compliant.

Code	No. of Cores x Size (mm <sup>2</sup> )	Approx. Stranding No. of wires x mm	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)	Nominal Amps enclosed protected from sun @ 30°C fixed application		3 Phase Volt Drop @50Hz / MAX. Conductor Temp: 90°C (Mv/Am)
					In Duct or Cabinet		
MST000.50	1 x 0.50	16/0.20	2.5	10	7		86.100
MST000.75	1 x 0.75	24/0.20	2.8	15	10		52.936
MST001.0	1 x 1.0	32/0.20	2.9	17	15		46.800
MST001.5	1 x 1.5	30/0.25	3.4	20	17		30.000
MST002.5	1 x 2.5	50/0.25	4.1	32	23		16.400
MST004	1 x 4.0	56/0.30	4.8	50	31		10.200
MST006	1 x 6.0	84/0.30	5.3	70	39		6.810
MST010	1 x 10.0	80/0.40	6.8	116	52		4.050
MST016	1 x 16.0	128/0.40	8.1	177	70		2.550
MST025	1 x 25.0	200/0.40	10.2	281	89		1.620