

MTSV SERIES

Survey Compliant Flexible Twin
Marine Cable 0.6/1kV 90°C



APPLICATIONS:

Marine Suitable for wiring on pleasure craft and commercial vessels that require survey compliant cables.

PRODUCT FEATURES:

- ▶ Tinned copper conductor
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Heat, oil and chemical resistant (See Technical Section)

CONSTRUCTION:

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

Insulation XLPE.

Sheath PVC ST2.

CHARACTERISTICS:

Temperature Range Fixed -20°C to 90°C.

Voltage Rating 0.6/1kV.

Minimum Bending Radius Fixed 10 x Cable Diameter.

Sheath Colour Black with Blue stripe, or White with Blue stripe.

Core Colour Red & Black.

Maximum Conductor temperature 90°C.

Relevant Standards IEC 60228, IEC 60092-360, IEC 60092-350, IEC 60092-353, IEC 60332-3-22, **RoHS** Compliant.

Code	Size (Core x mm)	Conductor Construction (mm)	Approx. Overall Diameter (mm)	Approx. Weight (kg/km)	Max D.C. Resistance at 20°C (mΩ/m)	Nominal Amps un-enclosed protected from sun @ 30°C fixed installation 1 Phase		1 Phase Volt Drop @50Hz / MAX. Conductor Temp: 75°C (mV/A/m)
						Spaced separately	Touching separately	
MTSV2/0.75	2 x 0.75	24/0.2	4.8 x 7.6	38	267	-	-	-
MTSV2/1.0	2 x 1.0	32/0.2	5.0 x 8.0	53	20	-	-	-
MTSV2/1.5	2 x 1.5	48/0.2	5.4 x 8.6	60	137	-	-	-
MTSV2/2.5	2 x 2.5	80/0.2	5.8 x 9.4	90	8.21	30	29	19.400
MTSV2/4.0	2 x 4.0	127/0.2	7.0 x 11.6	130	5.09	40	38	12.000
MTSV2/6.0	2 x 6.0	190/0.2	7.9 x 13.4	143	3.39	51	48	7.496
MTSV2/10	2 x 10	318/0.2	9.2 x 15.8	310	1.95	72	67	4.458
MTSV2/16	2 x 16	504/0.2	10.4 x 18.0	403	1.24	95	89	2.807
MTSV2/25	2 x 25	770/0.2	12.7 x 22.2	615	0.795	125	119	1.778
MTSV2/35	2 x 35	703/0.25	14.7 x 26.0	765	0.565	156	146	1.282

Duty Cycle Current Rating (Amps)
Welding, Automotive and Battery Charging (% of a 5 minute period @ 30°C)

Size	100%	60%	30%	25%
2 x 4.0	42	54	77	82
2 x 6.0	62	80	113	120
2 x 10.0	100	107	126	134
2 x 16.0	139	152	187	200
2 x 25.0	183	209	265	285
2 x 35.0	227	264	243	370