

## TW-T SERIES

High Performance Flexible Twin Marine Cable 0.6/1kV 90°C



### APPLICATIONS:

**Marine** Flexible tinned copper for battery power supplies and winches.

**Automotive** Suitable for use as battery/jumper cables (indoor/outdoor) and power leads for forklifts and field conveyers.

**Telecommunications** Where finely stranded large cross section cables are required for minimal volt drop.

**Audio** Power supply to amplifiers and audio equipment where oxygen free copper wire is required.

### PRODUCT FEATURES:

- ▶ Tinned fine stranded 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** SPVC.

**Sheath** Transparent SPVC.

### CHARACTERISTICS:

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



**Maximum Conductor Temperature** 90°C (Current ratings are based on 30°C air temp. See technical section for de-rating factors).

**Rated Voltage** 0.6/1kV.

**Sheath Colour** Clear sheath.

**Core Colour** Red and Black.

**Relevant Standards** DIN VDE 0250, DIN VDE 472, IEC 60332-1, AS/NZS 1125, **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)	Max D.C. Resistance at 20°C (m Ω/mt)	Nominal Amps un-enclosed protected from sun @ 30°C fixed installation 1 Phase		1 Phase Volt Drop @50Hz / MAX. Conductor Temp: 75°C (Mv/Am)
						Spaced 	Touching 	
<b>TW02.5T</b>	2 x 2.5	80/0.20	5.5 x 12.0	90	8.21	30	29	19.400
<b>TW04T</b>	2 x 4.0	128/0.20	6.0 x 13.0	130	5.09	40	38	12.000
<b>TW06T</b>	2 x 6.0	192/0.20	6.5 x 14.0	220	3.39	51	48	7.496
<b>TW10T</b>	2 x 10.0	322/0.20	8.0 x 17.0	340	1.95	72	67	4.458
<b>TW16T</b>	2 x 16.0	511/0.20	9.80 x 19.60	453	1.24	95	89	2.807
<b>TW25T</b>	2 x 25.0	784/0.20	11.30 x 22.60	659	0.795	125	119	1.778
<b>TW35T</b>	2 x 35.0	714/0.25	12.80 x 25.60	894	0.565	156	146	1.282

Size	Duty Cycle Current Rating (Amps)			
	Welding, Automotive and Battery Charging (% of a 5 minute period @ 30°C)			
	100%	60%	30%	25%
<b>2 x 4.0</b>	42	54	77	82
<b>2 x 6.0</b>	62	80	113	120
<b>2 x 10.0</b>	100	107	126	134
<b>2 x 16.0</b>	139	152	187	200
<b>2 x 25.0</b>	183	209	265	285
<b>2 x 35.0</b>	227	264	243	370

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