

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 ²)	Approx. Stranding No. of wires x size	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)	Max D.C. Resistance at 20°C (m Ω/km)	Nominal Amps un-enclosed protected from sun @ 30°C fixed installation 1 Phase		1 Phase Volt Drop @50Hz / MAX. Conductor Temp: 75°C (MVA Am)
						Spaced 	Touching 	
TW02.5T	2 x 2.5	80/0.20	5.5 x 12.0	90	8.21	30	29	19.400
TW04T	2 x 4.0	128/0.20	6.0 x 13.0	130	5.09	40	38	12.000
TW06T	2 x 6.0	192/0.20	6.5 x 14.0	220	3.39	51	48	7.496
TW10T	2 x 10.0	322/0.20	8.0 x 17.0	340	1.95	72	67	4.458
TW16T	2 x 16.0	511/0.20	9.80 x 19.60	453	1.24	95	89	2.807
TW25T	2 x 25.0	784/0.20	11.30 x 22.60	659	0.795	125	119	1.778
TW35T	2 x 35.0	714/0.25	12.80 x 25.60	894	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