

FLEXIBLE SINGLE CORE CABLES



ML SINGLE SERIES

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



APPLICATIONS:

Marine Flexible tinned copper and Lloyds approved cable for installation in superyachts, pleasure craft and other marine applications. Reduced overall diameter for space saving.

Power Switchboards, flexible droppers from busbars, transformers, load banks or other equipment requiring fixed or flexible cable, for medium industrial applications.

Pumping Suitable for permanent submersion to 200 metres.

PRODUCT FEATURES:

- ▶ Tinned fine stranded copper conductor
- ▶ UV stabilised
- ▶ High flexibility
- ▶ Flame retardant
- ▶ Suitable for permanent submersion to 200 metres
- ▶ Heat, oil and chemical resistant (*See Technical Section*)

CONSTRUCTION:

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

Insulation EPR R-90.

Sheath SER special elastomer rubber.

CHARACTERISTICS:

Operating Temperature Range Fixed -40°C to 90°C / Flexing -20°C 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 U_0/U 0.6/1kV.

Max AC Operating Voltage U_0 0.7kV.




Minimum Bending Radius Fixed 4 x cable diameter / Flexing 6 x cable diameter.

Sheath Colour Black.

Certification Society Approvals LLOYDS.

Relevant Standards IEC 60092-353, IEC 60092-350, IEC 60228.1, IEC 60332-1, IEC 60332-3-22, AS/NZS 1125, AS/NZS 5000.1,

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

Code	No. of Cores x Size (mm ²)	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)	Nominal Amps un-enclosed protected from sun @ 30°C fixed installation 3 Phase			3 Phase Volt Drop @50Hz / MAX. Conductor Temp 90°C (Mv/Am)
				Spaced 	Spaced from Surface 	Touching 	
ML1/10	1 x 10.0	8.8	82	88	76	70	4.050
ML1/16	1 x 16.0	9.8	130	117	100	94	2.550
ML1/25	1 x 25.0	12.1	205	156	133	125	1.620
ML1/35	1 x 35.0	13.5	292	195	166	155	1.170
ML1/50	1 x 50.0	15.5	428	245	210	196	0.872
ML1/70	1 x 70.0	18.1	602	311	265	248	0.615
ML1/95	1 x 95.0	20.1	803	375	319	298	0.457
ML1/120	1 x 120.0	22.0	1003	447	381	354	0.373

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