FLEXIBLE SINGLE CORE CABLES

ALLFLEX INDUSTRIALL MLG2 SINGLE SERIES

Ultra Performance Flexible Rubber Industrial / Marine Cable 0.6/1kV 90°C AS/NZS 5000.1, IEC 60092, H07RN-F

APPLICATIONS:

Hazardous Areas With correct explosion proof glands this cable can be installed in locations subject to explosion hazards rated 0.6/1kV (DIN VDE 0165).

Waste Water Treatment Plants Suitable for submersion in polluted liquids and aggressive environments up to 10 metres.

Lighting & Entertainment With its extra durable CPE sheath this cable is suitable for outdoor temporary power supplies and lighting leads.

Marine Flexible tinned copper & Lloyds approved cable for installation in pleasure craft, super yachts and other marine applications.

Power Switchboards, flexible droppers from busbars, transformers and load banks. Also used on construction sites due to its outstanding flexibility, durability and industrial performance.

Pumping Suitable for permanent submersion to 500 metres.

PRODUCT FEATURES:

- Tinned fine stranded copper conductor
- UV stabilised
- Flame retardant
- Water and moisture resistant
- Good elongation at break
- Good Dielectric properties
- Resistant to environmental factors such as oxidation, ozone and sunlight
- Very good behaviour to variations of outdoor temperature
- Suitable for permanent submersion to 500 metres
- Good tensile strength, tearing strength and abrasion resistance
- Heat, oil and chemical resistant *(See Technical Section)*

CONSTRUCTION:

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

Insulation EPR R90.

Sheath CPE Elastomer Rubber.

CHARACTERISTICS:

Operating Temperature Range Fixed -40°C to 90°C / Flexing -25°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 Uo/U 0.6/1kV.

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

Sheath Colour Black.

Insulation Colour White (Bonded).

Relevant Standards DIN VDE 0295, DIN VDE 0165, IEC 60092-360 IEC 60092-353, IEC 60092-359, IEC 60092-351, IEC 60079.14, AS/NZS 1125, AS/NZS 3808, RoHS Compliant.

AS/NZS 5000.1 Electric cables for working voltage 0.6/1kV.

IEC 60092-350 Electrical installations in ships - Part 350: General construction and test methods.

IEC 60332-3-22 Test for vertical flame spread of vertically-mounted bunched wires or cables.

H07RN-F Harmonised type heavy duty rubber cable construction.

Certification Approvals Lloyds Type Approval CEF/SA.

Code	No. of Cores x Size (mm²)	Approx. Stranding No. of Wires x mm	Approx. Overall Diameter + / - 15% (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	
COMPLIES TO AS/NZS 5000.1, IEC 60092-350 & H07RN-F TYPE								
ML1/10G2	1 x 10.0	75/0.40	9.5 – 11.9	221	88	76	70	4.050
ML1/16G2	1 x 16.0	118/0.40	10.8 – 13.4	296	117	100	94	2.550
ML1/25G2	1 x 25.0	183/0.40	12.7 – 15.8	422	156	133	125	1.620
ML1/35G2	1 x 35.0	260/0.40	14.3 – 17.9	553	195	166	155	1.170
ML1/50G2	1 x 50.0	375/0.40	16.5 – 20.6	762	245	210	196	0.872
ML1/70G2	1 x 70.0	334/0.50	18.6 – 23.3	991	311	265	248	0.615
ML1/95G2	1 x 95.0	437/0.50	20.8 – 26.0	1274	375	319	298	0.457
ML1/120G2	1 x 120.0	561/0.50	22.8 – 28.6	1582	447	381	354	0.373