



ALLFLEX INDUSTRIAL MLCON-G2 SERIES

Ultra Performance Flexible Rubber
Industrial / Marine Cable 0.6/1kV 90°C,
IEC 60092

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 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.

Rated Voltage U_o/U 0.6/1kV.

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

Sheath Colour Black.

Standard Core Colours

MLCON-G2

3 to 19 Core - Black Numbers + Green/Yellow

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

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


IEC 60092-360 Electrical installations in ships - Part 360:

Insulating and sheathing materials for shipboard and offshore units, power, control, instrumentation and telecommunication cables.

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.

Certification Approvals Lloyds Type Approval CEF/SA.

Code	No. of Cores x Size	Approx. Stranding	Approx. Overall Diameter +/- 10%	Approx. Weight	Nominal Amps un-enclosed protected from sun @ 30°C fixed application	3 Phase Volt Drop @50Hz / MAX. Conductor Temp:
	(mm ²)	No. of wires x mm	(mm)	(Kg/Km)	Touching 	90°C (Mv/Am)
MLCON03/1.0BKG2	3 x 1.0	32 x 0.20	10.1	128	18	46.800
MLCON04/1.0BKG2	4 x 1.0	32 x 0.20	11.0	160	16	46.800
MLCON05/1.0BKG2	5 x 1.0	32 x 0.20	12.1	172	14	46.800
MLCON07/1.0BKG2	7 x 1.0	32 x 0.20	12.8	191	12	46.800
MLCON12/1.0BKG2	12 x 1.0	32 x 0.20	16.9	287	12	46.800
MLCON19/1.0BKG2	19 x 1.0	32 x 0.20	20.2	432	12	46.800

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