

## ALLFLEX INDUSTRIAL MLG2 MULTI 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** 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*)

See over for full product table ▶



### 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<sub>o</sub>/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 Numbered + Green/Yellow

**ML-G2**

2 Core - Blue, Brown

3 Core - Blue, Brown, Green/Yellow

4 Core - Brown, Black, Grey, Green/Yellow

5 Core - Blue, Brown, Black, Grey, Green/Yellow

Multi Core - Black Numbered + 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.

**H07RN-F** Harmonised type heavy duty rubber cable construction (1.5mm<sup>2</sup> and above).

**Certification Approvals** Lloyds Type Approval CEF/SA.

## ALLFLEX INDUSTRIAL MLG2 MULTI SERIES continued

Code	No. of Cores x Size (mm <sup>2</sup> )	Approx. Stranding No. of wires x mm	Approx. Overall Diameter +/- 10% (mm)	Approx. Weight (Kg/Km)	Nominal Amps un-enclosed protected from sun @ 30°C fixed application Touching 	3 Phase Volt Drop @50Hz / MAX. Conductor Temp: 90°C (Mv/Am)
<b>COMPLIES ONLY TO IEC 60092-350. CORE COLOURS: BLACK NUMBERED + GRN/YEL</b>						
MLCON03/1.0BK G2	3 x 1.0	32 x 0.20	10.1	128	18	46.800
MLCON04/1.0BK G2	4 x 1.0	32 x 0.20	11.0	160	16	46.800
MLCON05/1.0BK G2	5 x 1.0	32 x 0.20	12.1	172	14	46.800
MLCON07/1.0BK G2	7 x 1.0	32 x 0.20	12.8	191	12	46.800
MLCON12/1.0BK G2	12 x 1.0	32 x 0.20	16.9	287	12	46.800
MLCON19/1.0BK G2	19 x 1.0	32 x 0.20	20.2	432	12	46.800
<b>COMPLIES TO AS/NZS 5000.1, IEC 60092-350 &amp; H07RN-F TYPE</b>						
ML02/1.5BK G2	2 x 1.5	30/0.25	10.8	130	25	30.000
ML02/2.5BK G2	2 x 2.5	50/0.25	11.8	190	33	16.400
ML02/4.0BK G2	2 x 4.0	56/0.30	13.2	260	44	10.200
ML02/6.0BK G2	2 x 6.0	84/0.30	15.0	350	56	6.800
ML02/10.0BK G2	2 x 10.0	80/0.40	20.1	538	67	4.050
ML02/16.0BK G2	2 x 16.0	128/0.40	22.9	749	89	2.550
ML03/1.5BK G2	3 x 1.5	30/0.25	11.6	160	21	30.000
ML03/2.5BK G2	3 x 2.5	50/0.25	12.7	230	29	16.400
ML03/4.0BK G2	3 x 4.0	56/0.30	14.2	320	37	10.200
ML03/6.0BK G2	3 x 6.0	84/0.30	16.1	425	47	6.800
ML03/10.0BK G2	3 x 10.0	80/0.40	21.5	765	67	4.050
ML03/16.0BK G2	3 x 16.0	128/0.40	24.0	1060	89	2.550
ML04/1.5BK G2	4 x 1.5	30/0.25	12.8	200	21	30.000
ML04/2.5BK G2	4 x 2.5	50/0.25	13.9	290	29	16.400
ML04/4.0BK G2	4 x 4.0	56/0.30	15.6	400	37	10.200
ML04/6.0BK G2	4 x 6.0	84/0.30	17.9	540	47	6.800
ML04/10.0BK G2	4 x 10.0	80/0.40	23.0	930	67	4.050
ML04/16.0BK G2	4 x 16.0	128/0.40	26.0	1300	89	2.550
ML04/25.0BK G2	4 x 25.0	200/0.40	32.0	1950	119	1.610
ML04/35.0BK G2	4 x 35.0	280/0.40	35.0	2330	149	1.170
ML04/50.0BK G2	4 x 50.0	400/0.40	40.0	3200	187	0.868
ML05/1.5BK G2	5 x 1.5	30/0.25	14.0	240	21	30.000
ML05/2.5BK G2	5 x 2.5	50/0.25	15.3	350	29	16.400
ML05/4.0BK G2	5 x 4.0	56/0.30	17.3	500	37	10.200
ML05/6.0BK G2	5 x 6.0	84/0.30	19.8	670	47	6.800
ML05/10.0BK G2	5 x 10.0	80/0.40	25.8	1140	67	4.050
ML05/16.0BK G2	5 x 16.0	128/0.40	29.0	1610	89	2.550
ML05/25.0BK G2	5 x 25.0	200/0.40	35.0	2440	119	1.610
ML05/35.0BK G2	5 x 35.0	280/0.40	38.0	3310	149	1.170
ML05/50.0BK G2	5 x 50.0	400/0.40	47.0	4120	187	0.868
ML07/1.5BK G2	7 x 1.5	30/0.25	15.3	330	15	30.000
ML07/2.5BK G2	7 x 2.5	50/0.25	17.0	470	20	16.400
ML12/1.5BK G2	12 x 1.5	30/0.25	20.8	480	15	30.000
ML12/2.5BK G2	12 x 2.5	50/0.25	22.9	690	20	16.400
ML19/1.5BK G2	19 x 1.5	30/0.25	24.7	710	15	30.000

Firstflex has taken every precaution to ensure accurate information in this catalogue, but accept no liability for any errors or omissions. Firstflex reserves the right to modify specifications at any time.