

VG-YMvKasmb Cable



Eland Product Group: B1M

APPLICATION

The VG-YMvKasmb cable is a power cable suitable for industrial installations. It is suitable for underground laying and where there is mechanical compulsion.

CHARACTERISTICS

Voltage Rating U_o/U (U_m)
0.6/1kV

Test Voltage
3.5kV

Temperature Rating
Operating: -15°C to +90°C

Short Circuit Temperature
+250°C

Minimum Bending Radius
15 x overall diameter

CONSTRUCTION

Conductor
Class1 Solid copper
Class 2 Stranded copper

Insulation
XLPE (Cross-Linked Polyethylene)

Filler
PVC (Polyvinyl chloride)

Inner Sheath
PVC FR (Polyvinyl chloride Flame Retardant)

Armour
Galvanised (flat) steel wire armour with copper earth wires and a galvanized steel tape counter helix (SWA)

Outer Sheath
PVC FR (Polyvinyl chloride Flame Retardant)

Sheath Colour
● Grey

CABLE THIRD-PARTY ACCREDITATION



Cables are tested and accredited by KEMA Laboratories in The Netherlands to KEMA K42C-1-4-D

STANDARDS

HD 604-S1-4D
Flame retardant according to EN-60332-3-24 Cat. C

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability



SCIENCE
BASED
TARGETS

**BUSINESS
AMBIITION FOR 1.5°C**



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab[®].





DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL DIAMETER OF CONDUCTOR mm	NOMINAL THICKNESS OF INSULATION mm	NOMINAL THICKNESS OF OUTER SHEATH mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
B1M02010GR	2	10	3.90	0.70	1.80	19.2	888
B1M02016GR	2	16	4.80	0.70	1.80	21.2	1221
B1M02025GR	2	25	5.90	0.90	1.80	24.4	1589
B1M02035GR	2	35	6.90	0.90	1.80	26.4	1882
B1M03010GR	3	10	3.90	0.70	1.80	20.0	1045
B1M03016GR	3	16	4.80	0.70	1.80	22.0	1352
B1M03025GR	3	25	5.90	0.90	1.80	25.6	1805
B1M04010GR	4	10	3.90	0.70	1.80	21.9	1180
B1M04016GR	4	16	4.80	0.70	1.80	23.9	1636
B1M04025GR	4	25	5.90	0.90	1.80	27.7	2200
B1M04035GR	4	35	6.90	0.90	1.80	30.1	2674
B1M04050GR	4	50	8.20	1.00	1.90	34.4	3572
B1M04070GR	4	70	9.70	1.10	2.10	40.5	4770
B1M04095GR	4	95	11.40	1.10	2.20	43.6	6094
B1M04120GR	4	120	13.10	1.20	2.40	49.1	7703
B1M04150GR	4	150	14.20	1.40	2.50	53.1	9176
B1M04185GR	4	185	15.80	1.60	2.70	59.0	11377
B1M04240GR	4	240	18.60	1.70	2.90	66.9	14512

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM CONDUCTOR DC RESISTANCE AT 20°C ohm/km
10	1.83
16	1.15
25	0.727
35	0.524
50	0.387
70	0.268
95	0.193
120	0.153
150	0.124
185	0.0991
240	0.0754

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.