

**ELAND<sup>®</sup>**  
**CABLES**

## 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<sub>o</sub>/U (U<sub>m</sub>)  
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)

**Braiding**  
GSWB (Galvanized round steel wire)

**Drain Wire**  
Tinned copper

**Outer Sheath**  
PVC FR (Polyvinyl chloride Flame Retardant)

**Sheath Colour**  
● Grey

### CABLE THIRD-PARTY ACCREDITATION

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

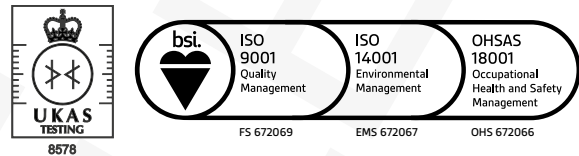
### STANDARDS

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



### UKAS LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab<sup>®</sup>, a UKAS accredited ISO 17025 cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



### REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab<sup>®</sup> as meeting the requirements of the BSI RoHS Trusted Kitemark<sup>™</sup>.



## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	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 <sup>2</sup>	MAXIMUM CONDUCTOR DC RESISTANCE AT 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.