



## 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**  
Class 1 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

### THE CABLE LAB<sup>®</sup>

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](http://www.elandcables.com/company/about-us/esg-sustainability)



### 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 2015/853/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab<sup>®</sup>.





## DIMENSIONS

| ELAND PART NO. | NO. OF CORES | NOMINAL CROSS SECTIONAL AREA<br>mm <sup>2</sup> | NOMINAL DIAMETER OF CONDUCTOR<br>mm | NOMINAL THICKNESS OF INSULATION<br>mm | NOMINAL THICKNESS OF OUTER SHEATH<br>mm | NOMINAL OVERALL DIAMETER<br>mm | NOMINAL WEIGHT<br>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<br>mm <sup>2</sup> | MAXIMUM CONDUCTOR DC RESISTANCE AT AT 20°C<br>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.