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ELAND[®]
CABLES

RVMAV-K Cable



Eland Product Group: B3H

APPLICATION

Electric power cables with cross-linked polyethylene insulation, aluminium wire armour and PVC outer sheath. These cables are suitable for transport and distribution of electric power for indoor or outdoor fixed installations and for industrial use. These cables are suitable for air installation, buried or in conduit installations.

CHARACTERISTICS

Voltage Rating U₀/U
0.6/1kV

Test Voltage
3.5kV

Temperature Rating
Operating: -15°C to +90°C
Maximum Short Circuit Temperature: 250°C (Max. 5 seconds)

CONSTRUCTION

Conductor
Class 5 Flexible Copper Conductor

Insulation
XLPE (Cross-Linked Polyethylene)

Inner Sheath
PVC (Polyvinyl Chloride)

Armour
AWA (Aluminium Wire Armour)

Outer Sheath
PVC (Polyvinyl Chloride)

Core Identification
● Natural

Sheath Colour
● Black

STANDARDS

IEC 60502-1, IEC/EN 60228, ICEA S-73-532,
Flame Retardant according to IEC/EN 60332-1
Water Resistant (AD7), UV Resistant, Oil and Fuel Resistant

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECCE 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



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 and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab[®] as meeting the requirements of the BSI RoHS Trusted Kitemark[™].





DIMENSIONS

| ELAND PART NO. | NO. OF CORES | NOMINAL CROSS SECTIONAL AREA mm ² | NOMINAL THICKNESS OF INSULATION mm | NOMINAL DIAMETER OF INNER SHEATH mm | NOMINAL DIAMETER OF WIRE mm | NOMINAL THICKNESS OF OUTER SHEATH mm | NOMINAL OVERALL DIAMETER mm | NOMINAL WEIGHT kg/km |
|----------------|--------------|---|---------------------------------------|--|--------------------------------|---|--------------------------------|-------------------------|
| B3HA01010BK | 1 | 10 | 0.7 | 7.8 | 0.8 | 1.4 | 12.2 | 260 |
| B3HA01016BK | 1 | 16 | 0.7 | 8.9 | 0.8 | 1.4 | 13.3 | 320 |
| B3HA01025BK | 1 | 25 | 0.9 | 10.5 | 0.8 | 1.4 | 14.9 | 430 |
| B3HA01035BK | 1 | 35 | 0.9 | 11.7 | 0.8 | 1.5 | 16.3 | 545 |
| B3HA01050BK | 1 | 50 | 1.0 | 13.3 | 0.8 | 1.6 | 18.1 | 710 |
| B3HA01070BK | 1 | 70 | 1.1 | 15.5 | 0.8 | 1.6 | 20.3 | 950 |
| B3HA01095BK | 1 | 95 | 1.1 | 17.0 | 1.6 | 1.7 | 23.6 | 1280 |
| B3HA01120BK | 1 | 120 | 1.2 | 18.8 | 1.6 | 1.7 | 25.4 | 1560 |
| B3HA01150BK | 1 | 150 | 1.4 | 20.8 | 1.6 | 1.8 | 27.6 | 1900 |
| B3HA01185BK | 1 | 185 | 1.6 | 22.8 | 1.6 | 1.9 | 29.8 | 2210 |
| B3HA01240BK | 1 | 240 | 1.7 | 26.3 | 1.6 | 1.9 | 33.3 | 2810 |
| B3HA01300BK | 1 | 300 | 1.8 | 29.0 | 1.6 | 1.9 | 36.0 | 3450 |

ELECTRICAL CHARACTERISTICS

| NOMINAL CROSS SECTIONAL AREA mm ² | RESISTANCE AT 20°C Ohms/km |
|---|-------------------------------|
| 10 | 1.91 |
| 16 | 1.21 |
| 25 | 0.780 |
| 35 | 0.554 |
| 50 | 0.386 |
| 70 | 0.270 |
| 95 | 0.206 |
| 120 | 0.161 |
| 150 | 0.129 |
| 185 | 0.106 |
| 240 | 0.0801 |
| 300 | 0.0641 |