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**ELAND<sup>®</sup>  
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** U<sub>0</sub>/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<sup>®</sup>

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](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 mm <sup>2</sup>	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 <sup>2</sup>	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