



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 Uo/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

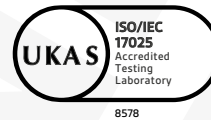
Sheath Colour
● Black

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

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited 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 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