RVMV-K Cable

Eland Product Group: B3H

APPLICATION

Electric power cables with cross-linked polyethylene insulation, steel 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
Multicore: SWA (Steel Wire Armour)

Outer Sheath
PVC (Polyvinyl Chloride)

Core Identification
2 Cores: Brown Blue
3G: Brown Blue Green/Yellow
3 Cores: Brown Black Grey
4G: Brown Black Grey Green/Yellow
4 Cores: Brown Black Grey Blue
5G: Brown Black Grey Blue Green/Yellow
6 Cores or more: Black Numbered with or without Green/Yellow

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, Resistant to oils and fuels

THE CABLE LAB®

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

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 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab®.

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	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
B3H020015BK	2	1.5	0.7	8.4	0.8	1.4	12.8	322
B3H020025BK	2	2.5	0.7	9.2	0.8	1.4	13.6	367
B3H020040BK	2	4	0.7	10.2	0.8	1.4	14.6	431
B3H020060BK	2	6	0.7	11.3	0.8	1.4	15.7	506
B3H02010BK	2	10	0.7	13.2	0.8	1.5	17.8	664
B3H02016BK	2	16	0.7	15.3	0.8	1.6	20.1	863
B3H02025BK	2	25	0.9	18.5	1.6	1.8	25.3	1540
B3H02035BK	2	35	0.9	20.9	1.6	1.8	27.7	1882
B3H030015BK	3	1.5	0.7	8.9	0.8	1.4	13.3	347
B3H030025BK	3	2.5	0.7	9.8	0.8	1.4	14.1	403
B3H030040BK	3	4	0.7	10.8	0.8	1.4	15.2	478
B3H030060BK	3	6	0.7	12.0	0.8	1.4	16.4	573
B3H03010BK	3	10	0.7	14.1	0.8	1.5	18.7	770
B3H03016BK	3	16	0.7	16.3	1.6	1.6	22.7	1325
B3H03025BK	3	25	0.9	19.8	1.6	1.7	26.4	1767
B3H03035BK	3	35	0.9	22.4	1.6	1.8	29.2	2203
B3H03050BK	3	50	1.0	25.9	1.6	2.0	33.1	2840
B3H03070BK	3	70	1.1	30.7	2.0	2.1	38.9	4074
B3H03095BK	3	95	1.1	33.8	2.0	2.3	42.4	4881
B3H03120BK	3	120	1.2	37.9	2.0	2.4	46.7	6580
B3H03150BK	3	150	1.4	49.3	2.5	2.9	60.1	7800
B3H03185BK	3	185	1.6	51.4	2.5	2.9	62.2	9100
B3H03240BK	3	240	1.7	53.5	2.5	2.9	64.3	11160
B3H03095/50BK	3+E	95 + 50	1.1/1.0	34.4	2.0	1.7	42.2	5427
B3H03120/70BK	3+E	120+70	1.2/1.1	38.4	2.0	2.0	46.8	6706
B3H03150/70BK	3+E	150+70	1.4/1.1	44.6	2.5	2.0	53.1	7765
B3H03185/70BK	3+E	185 + 70	1.6/1.1	49.3	2.5	2.2	58.7	9659
B3H03185/95BK	3+E	185 + 95	1.6/1.1	50.6	2.5	2.2	60.1	9924
B3H03240/120BK	3+E	240 + 120	1.7/1.2	52.7	2.5	2.2	62.3	12440
B3H040015BK	4	1.5	0.7	9.7	0.8	1.4	14.1	386
B3H040025BK	4	2.5	0.7	10.6	0.8	1.4	15.0	457
B3H040040BK	4	4	0.7	11.8	0.8	1.5	16.4	555
B3H040060BK	4	6	0.7	13.2	0.8	1.5	17.8	669
B3H04010BK	4	10	0.7	15.5	0.8	1.6	20.3	914
B3H04016BK	4	16	0.7	18.0	1.6	1.7	24.6	1552
B3H04025BK	4	25	0.9	22.1	1.6	1.8	28.7	2095
B3H04035BK	4	35	0.9	24.8	1.6	1.9	31.8	2644
B3H04050BK	4	50	1.0	28.8	2.0	2.1	37.0	3680
B3H04070BK	4	70	1.1	34.1	2.0	2.2	42.5	4903
B3H050015BK	5G	1.5	0.7	10.5	0.8	1.4	14.9	427
B3H050025BK	5G	2.5	0.7	11.6	0.8	1.5	16.2	517
B3H050040BK	5G	4	0.7	12.9	0.8	1.5	17.5	626
B3H050060BK	5G	6	0.7	14.4	0.8	1.6	19.2	774
B3H05010BK	5G	10	0.7	17.0	1.6	1.7	23.6	1373
B3H05016BK	5G	16	0.7	19.8	1.6	1.8	26.6	1796
B3H05025BK	5G	25	0.9	24.2	1.6	1.9	31.1	2444
B3H05035BK	5G	35	0.9	27.4	2.0	2.0	35.4	3.338
B3H05050BK	5G	50	1.0	31.8	2.0	2.2	40.2	4316
B3H080015BK	8G	1.5	0.7	12.8	0.8	1.5	17.4	565
B3H160015BK	16G	1.5	0.7	16.5	1.6	1.6	22.9	1120

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ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm²	RESISTANCE AT 20°C Ohms/km
1.5	13.3
2.5	7.98
4	4.95
6	3.30
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