

EXVB 1kV Cable



Eland Product Group: B1W

APPLICATION

Low voltage power cable to be used as distribution or connection cable in underground domestic or industrial installations. This cable can be used in cable duct, tube, ground with protection, open air and in industries or houses.

CHARACTERISTICS

Voltage Rating U₀/U
0.6/1kV

Temperature Rating

Fixed: 0°C to +90°C
Minimum Installation: +5°C

Minimum Bending Radius

12 x overall diameter

CONSTRUCTION

Conductor

Class 1 Solid copper

Insulation

XLPE (Cross-Linked Polyethylene)

Filler

PVC (Polyvinyl Chloride)

Inner Sheath

PVC (Polyvinyl Chloride)

Outer Sheath

PVC Reinforced (Polyvinyl Chloride)

Core Identification

- 1 core: ● Green/Yellow or ● Blue or ● Black
- 2 core: ● Blue ● Brown
- 3 core: ● Brown ● Black ● Grey
- 3 core + earth: ● Green/Yellow ● Blue ● Black
- 4 core: ● Light Blue ● Brown ● Black ● Grey
- 4 core + earth: ● Green/Yellow ● Brown ● Black ● Grey
- 5 core + earth: ● Green/Yellow ● Light Blue ● Brown ● Black ● Grey

Sheath Colour

- Black

STANDARDS

NBN HD 603 Part 5/ Sect.A

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IEC EE 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 mm ²	NOMINAL THICKNESS OF INSULATION mm	MINMUM THICKNESS OF OUTER SHEATH mm	NOMINAL OUTER DIAMETER mm	NOMINAL WEIGHT kg/km
B1W01240	1	240	1.7	2.3	27.5	2520
B1W020025	2	2.5	0.7	2.0	12.8	240
B1W020060	2	6	0.7	2.0	14.8	360
B1W02010	2	10	0.7	2.0	16.4	480
B1W02016	2	16	0.7	2.0	20.0	723
B1W030015	3	1.5	0.7	2.0	12.5	225
B1W030025	3	2.5	0.7	2.0	13.3	270
B1W030040	3	4	0.7	2.0	14.4	340
B1W030060	3	6	0.7	2.0	15.4	420
B1W03010	3	10	0.7	2.0	17.2	575
B1W03016	3	16	0.7	2.0	21.5	875
B1W03095	3	95	0.7	2.0	34.7	3330
B1W040025	4	2.5	0.7	2.0	14.1	310
B1W040040	4	4	0.7	2.0	15.3	395
B1W040060	4	6	0.7	2.1	16.5	495
B1W04010	4	10	0.7	2.0	18.7	700
B1W04016	4	16	0.7	2.1	23.0	1070
B1W04025	4	25	0.9	2.3	27.1	1536
B1W04035	4	35	0.9	2.3	30.0	1975
B1W04050	4	50	0.9	2.5	33.6	2600
B1W04070	4	70	1.1	2.6	36.0	3260
B1W04095	4	95	1.1	2.7	39.5	4350
B1W04120	4	120	1.2	2.9	44.0	5540
B1W04150	4	150	1.4	2.9	46.4	6020
B1W04185	4	185	1.6	3.2	53.6	8250
B1W04240	4	240	1.7	3.4	60.0	10870
B1W050015	5	1.5	0.7	2.0	14.0	282
B1W050025	5	2.5	0.7	2.0	15.0	350
B1W050040	5	4	0.7	2.0	16.3	453
B1W050060	5	6	0.7	2.0	17.7	575
B1W05010	5	10	0.7	2.1	20.0	817
B1W05016	5	16	0.7	2.2	25.0	1285
B1W05025	5	25	0.7	2.2	29.3	1840



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ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	CURRENT CARRYING CAPACITY A		MAXIMUM CONDUCTOR DC RESISTANCE AT 20°C Ω/km
	In Ground 20°C	In Air 30°C	
1.5	30	23	12.1
2.5	50	36	7.41
4	50	42	4.61
6	76	63	3.08
10	90	75	1.83
16	125	115	11.15
95	305	299	0.19
120	345	346	0.15
150	399	390	0.12
185	440	456	0.1
240	520	604	0.08

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.