ELAND® CABLES

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 Uo/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

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.

UKAS ISO/IEC 17025 Accredited Testing Laboratory 8578 | bsi. ISO 9001 Quality Management FS 672069 | ISO 14001 Environmental Management EMS 672067 | ISO 45001 Occupational Health and Safety Management OHS 672066

REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.

CPR COMPLIANT EN 50575

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™.

bsi. RoHS Trusted KITEMARK™ KM 634267 | RoHS | CE

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	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

UK T 020 7241 8787 | F 020 7241 8700 | sales@elandcables.com | www.elandcables.com
International T +44 20 7241 8740 | F +44 20 7241 8700 | international@elandcables.com

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm²	CURRENT CARRYING CAPACITY A		MAXIMUM CONDUCTER 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