



APPLICATION

EXVB cable is a robust, low-voltage power cable designed for the safe transmission and distribution of electricity in both residential and industrial environments. This cable is engineered for energy supply in industrial and domestic settings, suitable for installation indoors, outdoors, in ducts, or directly buried with appropriate mechanical protection.

CHARACTERISTICS

Voltage Rating U_o/U
0.6/1kV

Temperature Rating
Fixed: -25°C to +90°C
Installation: +5°C

Minimum Bending Radius
single-core 15x cable diameter
multi-core 12x cable diameter

CONSTRUCTION

Conductor
Class 1 solid or Class 2
stranded 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 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



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 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

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