

XGB F2 1kV Cable



Eland Product Group: B1X

APPLICATION

Installation cable for buildings with high concentrations of people or valuable equipment, especially in difficult evacuation conditions. This cable can be used in cable conduit, cable duct, embedded in concrete, cement or walls. It can also be used in open air protected from direct UV rays, in industries and houses. Underground installation is allowed provided the cable is installed in a sufficiently drained tube. Operating temperatures down to -15°C are permitted, only if there are no mechanical forces nor movements.

CHARACTERISTICS

Voltage Rating Uo/U
0.6/1kV

Test Voltage
3.5kV AC

Temperature Rating
Operating: -15°C to +60°C
Minimum Installation: 0°C
Maximum conductor temperature in service: +90°C

Minimum Bending Radius
12 x overall diameter

CONSTRUCTION

Conductor
Class 1 Solid copper
Class 2 Stranded copper

Insulation
XLPE (Cross-Linked Polyethylene)

Filler
Filling compound or HF tape (Halogen free)

Inner Sheath
Filling compound or tape

Outer Sheath
HF Thermoplastic (Halogen free)

Sheath Colour
● Green

STANDARDS

NBN HD 604 Part 5/ Sect.L

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 OUTER DIAMETER mm	NOMINAL WEIGHT kg/km
B1X01016	1	16	9.2	203
B1X01025	1	25	10.7	289
B1X01035	1	35	11.8	382
B1X01050	1	50	13.2	510
B1X01070	1	70	14.6	706
B1X01095	1	95	16.5	963
B1X01120	1	120	18.5	1205
B1X01150	1	150	20.3	1476
B1X01185	1	185	22.2	1832
B1X01240	1	240	25.2	2399
B1X020015	2	1.5	8.6	110
B1X020025	2	2.5	9.3	141
B1X020040	2	4	10.3	189
B1X020060	2	6	11.3	242
B1X02010	2	10	12.9	347
B1X02016	2	16	16.5	557
B1X030015	3	1.5	9.0	125
B1X030025	3	2.5	9.8	164
B1X030040	3	4	10.9	223
B1X030060	3	6	12	295
B1X03010	3	10	13.7	432
B1X03016	3	16	17.7	697
B1X03025	3	25	21.6	1052
B1X03035	3	35	23.8	1365
B1X03050	3	50	27.5	1844
B1X03070	3	70	28.1	2233
B1X03095	3	95	31.3	3025
B1X03120	3	120	34.5	3831
B1X03150	3	150	38.9	4690
B1X03185	3	185	42.3	5788
B1X03240	3	240	48.3	7581
B1X040015	4	1.5	9.7	150
B1X040025	4	2.5	10.5	196
B1X040040	4	4	11.8	270
B1X040060	4	6	13	360
B1X04010	4	10	15.2	541
B1X04016	4	16	19.5	879
B1X04025	4	25	23.5	1280
B1X04035	4	35	26.5	1725
B1X04050	4	50	28.2	2016
B1X04070	4	70	32.3	2954
B1X04095	4	95	34.3	3519
B1X04120	4	120	40.0	5116
B1X04150	4	150	44.8	6182
B1X04185	4	185	49.7	7771
B1X04240	4	240	52.8	8780
B1X050015	5	1.5	10.5	171
B1X050025	5	2.5	11.5	230



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B1X050060	5	6	14.2	428
B1X05010	5	10	16.5	648
B1X05016	5	16	21.5	1082
B1X05025	5	25	25.7	1578
B1X070015	7	1.5	11.3	205
B1X070025	7	2.5	12.4	282
B1X090015	9	1.5	13.9	299
B1X090025	9	2.5	15.5	388
B1X100015	10	1.5	14.4	310
B1X100025	10	2.5	19.1	595
B1X120015	12	1.5	14.9	343
B1X120025	12	2.5	16.6	475
B1X140015	14	1.5	15.8	390
B1X190015	19	1.5	17.4	506
B1X210015	21	1.5	18.4	539
B1X240015	24	1.5	20.4	626
B1X300015	30	1.5	21.8	745
B1X370015	37	1.5	26.3	1127
B1X400015	40	1.5	24.4	948

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	CURRENT CARRYING CAPACITY	
	SINGLE CORE (A)	MULTI-CORE (A)
1.5	-	23
2.5	-	32
4	-	42
6	-	54
10	-	75
16	102	100
25	135	127
35	169	157
50	207	192
70	268	246
95	328	299
120	379	346
150	443	399
185	509	456
240	604	538

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.