



Eland Product Group: ...

APPLICATION

Electrical power supply in public networks and industrial plants. Outdoor installation, on racks, direct buried or in conduits. This construction is particularly suitable for underground installation due to the longitudinal watertightness.

CHARACTERISTICS

Voltage Rating U₀/U (Um)

8.7/15 (17.5)kV,
12/20 (24)kV,
18/30 (36)kV,
20.8/36 (41.5)kV

Temperature Range

Maximum conductor operating temperature: 90°C
Maximum short circuit temperature: 250°C

CONSTRUCTION

Conductor

Class 2 Stranded Aluminium

Conductor Screen

Semi-conducting XLPE (Cross-Linked Polyethylene)

Insulation

XLPE (Cross-Linked Polyethylene)

Insulation Screen

Semi-conducting XLPE (Cross-Linked Polyethylene) - non-strippable

Longitudinal Waterblocking

Semi-conducting swelling tape

Metallic Screen

Copper wires screen + counter helix copper tape

Longitudinal Waterblocking

Swelling tape

Outer Sheath

MDPE (Medium Density Polyethylene)

Sheath Colour

● Red

STANDARDS

National 13782-99HH; NBN HD 620 / 10B-A
Longitudinally watertight

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



SCIENCE
BASED
TARGETS

**BUSINESS
AMBITION FOR 1.5°C**



REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS compliance has been tested and confirmed by The Cable Lab[®] as meeting the requirements of the BSI RoHS Trusted Kitemark[™].





DIMENSIONS 8.7/15 (17.5)KV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL INSULATION THICKNESS mm	NOMINAL SCREEN SECTIONAL AREA mm ²	NOMINAL SHEATH THICKNESS mm	MAXIMUM OUTER DIAMETER mm	NOMINAL WEIGHT kg/km
B4H15KV01050	1	50	4.5	16	2.6	33.0	940
B4H15KV01095	1	95	4.5	25	2.6	36.0	1290
B4H15KV01150	1	150	4.5	25	2.9	40.0	1350
B4H15KV01240	1	240	4.5	25	3.1	44.0	1750
B4H15KV01400	1	400	4.5	35	3.3	50.0	2760
B4H15KV01630	1	630	4.5	35	3.5	56.0	3710
B4H15KV011000	1	1000	4.5	35	3.7	68.0	5370

ELECTRICAL CHARACTERISTICS 8.7/15 (17.5)kV

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km	CURRENT CARRYING CAPACITY - IN GROUND - 20°C		CURRENT CARRYING CAPACITY - IN AIR - 30°C	
		TREFOIL FORMATION A	FLAT FORMATION A	TREFOIL FORMATION A	FLAT FORMATION A
50	0.641	174	189	184	214
95	0.320	256	274	280	326
150	0.206	325	345	366	423
240	0.125	428	447	495	568
400	0.0778	551	555	662	744
630	0.0469	712	697	885	980
1000		888	851	1146	1243

DIMENSIONS 12/20 (24)kV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL INSULATION THICKNESS mm	NOMINAL SCREEN SECTIONAL AREA mm ²	NOMINAL SHEATH THICKNESS mm	MAXIMUM OUTER DIAMETER mm	NOMINAL WEIGHT kg/km
B4H20KV01050	1	50	5.5	16	2.6	35.0	1030
B4H20KV01095	1	95	5.5	25	2.7	39.0	1410
B4H20KV01150	1	150	5.5	25	3.0	42.0	1710
B4H20KV01240	1	240	5.5	25	3.1	46.0	2140
B4H20KV01400	1	400	5.5	35	3.3	52.0	2900
B4H20KV01630	1	630	5.5	35	3.5	58.0	3880
B4H20KV011000	1	1000	5.5	35	3.8	71.0	5600

ELECTRICAL CHARACTERISTICS 12/20 (24)kV

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km	CURRENT CARRYING CAPACITY - IN GROUND - 20°C		CURRENT CARRYING CAPACITY - IN AIR - 30°C	
		TREFOIL FORMATION A	FLAT FORMATION A	TREFOIL FORMATION A	FLAT FORMATION A
50	0.641	169	183	186	215
95	0.320	247	263	282	325
150	0.206	314	330	368	422
240	0.125	412	428	497	567
400	0.078	530	531	663	744
630	0.0469	684	667	887	981
1000		853	813	1148	1247



DIMENSIONS 18/30 (36)KV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL INSULATION THICKNESS mm	NOMINAL SCREEN SECTIONAL AREA mm ²	NOMINAL SHEATH THICKNESS mm	MAXIMUM OUTER DIAMETER mm	NOMINAL WEIGHT kg/km
B4H30KV01050	1	50	8.0	16	2.8	41.0	1330
B4H30KV01095	1	95	8.0	25	2.9	44.0	1730
B4H30KV01150	1	150	8.0	25	3.2	47.0	2080
B4H30KV01240	1	240	8.0	25	3.3	51.0	2540
B4H30KV01400	1	400	8.0	35	3.5	57.0	3350
B4H30KV01630	1	630	8.0	35	3.7	63.0	4380
B4H30KV011000	1	1000	8.0	35	4.0	76.0	6190

ELECTRICAL CHARACTERISTICS 18/30 (36)KV

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km	CURRENT CARRYING CAPACITY - IN GROUND - 20°C		CURRENT CARRYING CAPACITY - IN AIR - 30°C	
		TREFOIL FORMATION A	FLAT FORMATION A	TREFOIL FORMATION A	FLAT FORMATION A
50	0.387	169	181	189	214
95	0.193	247	262	285	323
150	0.124	314	330	371	420
240	0.0754	412	426	500	564
400	0.0470	530	532	666	739
630	0.0283	685	669	889	975
1000		856	816	1151	1240

DIMENSIONS 20.8/36 (41.5)kV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL INSULATION THICKNESS mm	NOMINAL DIAMETER OVER INSULATION mm	NOMINAL SCREEN SECTIONAL AREA mm ²	NOMINAL SHEATH THICKNESS mm	NOMINAL OUTER DIAMETER mm	NOMINAL WEIGHT kg/km
B4H36KV01240	1	240	6	31.6	25	2.4	42.0	1755
B4H36KV01400	1	400	6	36.6	25	2.4	47.0	2325
B4H36KV01630	1	630	6	44.0	25	2.6	54.8	3220

ELECTRICAL CHARACTERISTICS 20.8/36 (41.5)kV

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km	CURRENT CARRYING CAPACITY - IN GROUND - 20°C		CURRENT CARRYING CAPACITY - IN AIR - 30°C	
		TREFOIL FORMATION A	FLAT FORMATION A	TREFOIL FORMATION A	FLAT FORMATION A
240	0.125	420	430	505	575
400	0.0778	545	545	675	765
630	0.0469	895	850	1200	1315