

N2XS2Y HD620 XLPE PE - 18/30 (36)kV Cable



Eland Product Group: H8B

APPLICATION

Medium voltage cables for distribution networks; also for connection to generation units and plant and process connection. For installation in ground, in water outdoors, indoors and in cable ducts for power stations, industry, and distribution networks

CHARACTERISTICS

Voltage Rating U₀/U (Um)
18/30 (36)kV

Temperature Rating
-20°C to +90°C

Minimum Bending Radius
15 x overall diameter

CONSTRUCTION

Conductor
Class 2 stranded copper conductor

Inner Semi-Conductive Layer
Semi-conductive material

Insulation
XLPE (Cross-Linked Polyethylene)

Outer Semi-Conductive Layer
Semi-conductive material

Screen
Copper wires

Sheath
PE (Polyethylene)

Sheath Colour
● Black

STANDARDS

IEC 60502-2, DIN VDE 0276-620, HD 620, IEC/EN 60228

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECEE 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 meets the requirements of 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 OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Conductor	Copper Wire Screen		
H8B30KV01050	1	50	16	38	1350
H8B30KV01070	1	70	16	40	1600
H8B30KV01095	1	95	16	41	1900
H8B30KV01120	1	120	16	43	2200
H8B30KV01150	1	150	25	44	2550
H8B30KV01185	1	185	25	46	2950
H8B30KV01240	1	240	25	48	3500
H8B30KV01300	1	300	25	51	4150
H8B30KV01400	1	400	35	54	5150
H8B30KV01500	1	500	35	57	6200

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²		CURRENT CARRYING CAPACITY IN TREFOIL Amps	
Conductor	Copper Wire Screen	In Ground	In Air
50	16	225	241
70	16	274	299
95	16	327	363
120	16	371	418
150	25	414	472
185	25	466	539
240	25	539	635
300	25	606	725
400	35	680	831
500	35	765	953

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.