

N2XS2Y HD620 XLPE PE - 12/20 (24)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)(U_m)
12/20 (24)kV

Test Voltage
42kV

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 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 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		
H8B20KV01035	1	35	16	32	1000
H8B20KV01050	1	50	16	33	1150
H8B20KV01070	1	70	16	35	1350
H8B20KV01095	1	95	16	36	1600
H8B20KV01120	1	120	16	38	1850
H8B20KV01150	1	150	25	39	2250
H8B20KV01185	1	185	25	41	2600
H8B20KV01240	1	240	25	44	3150
H8B20KV01300	1	300	25	46	3800
H8B20KV01400	1	400	35	49	4750
H8B20KV01500	1	500	35	52	5800

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²		CURRENT CARRYING CAPACITY IN TREFOIL Amps	
Conductor	Copper Wire Screen	In Ground	In Air
35	16	189	200
50	16	222	239
70	16	271	297
95	16	323	361
120	16	367	416
150	25	409	470
185	25	461	538
240	25	532	634
300	25	599	724
400	35	671	829
500	35	754	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.