



# NA2XS(F)2Y HD620 Aluminium Conductor XLPE PE - 6/10 (12)kV Cable



Eland Product Group: H8J

## APPLICATION

Medium voltage cables for distribution networks; also for connection to generation units and plant and process connection. To be laid directly in ground, outdoors, indoors and in cable ducts. The swellable tape provides additional waterblocking properties, making the cable longitudinally water tight and preventing water propagation along the cable.

## CHARACTERISTICS

**Voltage Rating** U<sub>0</sub>/U (Um)  
6/10 (12)kV

**Temperature Rating**  
-20°C to +90°C

**Minimum Bending Radius**  
15 x overall diameter

## CONSTRUCTION

**Conductor**  
Class 2 stranded aluminium

**Conductor Screen**  
Semi-conductive material

**Insulation**  
XLPE (Cross-Linked Polyethylene)

**Insulation Screen**  
Semi-conductive material

**Longitudinal Waterblocking**  
Water-swellable tape

**Screen**  
Copper wires and copper tape

**Longitudinal Waterblocking**  
Water-swellable tape

**Sheath**  
PE (Polyethylene)

**Sheath Colour**  
● Black

## STANDARDS

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

## THE CABLE LAB<sup>®</sup>

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](http://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<sup>®</sup>.





## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>		NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Conductor	Copper Wire Screen		
H8J10KV01035	1	35	16	28	600
H8J10KV01050	1	50	16	29	670
H8J10KV01070	1	70	16	31	770
H8J10KV01095	1	95	16	32	880
H8J10KV01120	1	120	16	34	950
H8J10KV01150	1	150	25	35	1150
H8J10KV01185	1	185	25	37	1250
H8J10KV01240	1	240	25	39	1500
H8J10KV01300	1	300	25	41	1700
H8J10KV01400	1	400	35	45	2100
H8J10KV01500	1	500	35	44	2850
H8J10KV01630	1	630	35	49	2969

## ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>		CURRENT CARRYING CAPACITY Amps	
Conductor	Copper Wire Screen	In Ground	In Air
35	16	145	153
50	16	171	183
70	16	208	228
95	16	248	278
120	16	283	321
150	25	315	364
185	25	357	418
240	25	413	494
300	25	466	568
400	35	529	660
500	35	602	767
630	35	675	890

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.