

# NA2XS(F)2Y HD620 Aluminium Conductor XLPE PE - 12/20 (24)kV Cable



Eland Product Group: H8J

## **APPLICATION**

Medium voltage cables for distribution networks; also for connection to generation units and plant and process connections. 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 Uo/U (Um) 12/20 (24)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®

#### 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





BUSINESS 1.5°C







## 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		OSS SECTIONAL AREA NOMINAL OVERALL DIAMETER		NOMINAL WEIGHT
		Conductor	Copper Wire Screen	mm	kg/km
H8J20KV01050	1	50	16	33	820
H8J20KV01070	1	70	16	35	930
H8J20KV01095	1	95	16	36	1050
H8J20KV01120	1	120	16	38	1150
H8J20KV01150	1	150	25	39	1350
H8J20KV01185	1	185	25	41	1500
H8J20KV01240	1	240	25	44	1750
H8J20KV01300	1	300	25	46	2000
H8J20KV01400	1	400	35	47	2350

# **ELECTRICAL CHARACTERISTICS**

	SS SECTIONAL AREA	CURRENT CARRYING CAPACITY  Amps		
Conductor	Copper Wire Screen	In Ground	In Air	
50	16	172	185	
70	16	210	231	
95	16	251	280	
120	16	285	323	
150	25	319	366	
185	25	361	420	
240	25	417	496	
300	25	471	569	
400	35	535	660	

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.