

## N2XS(F)2Y HD620 - 6/10 (12)kV Cable



Eland Product Group: H8C

### 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. This cable is longitudinally water tight 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 copper

**Conductor Screen**  
Semi-conductive material

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

**Insulation Screen**  
Semi-conductive material

**Longitudinal Waterblock**  
Swellable tape or powders

**Screen**  
Copper wires and copper tape

**Longitudinal Waterblock**  
Swellable tape

**Outer Sheath**  
PE (Polyethylene)

**Sheath Colour**  
● Black

### STANDARDS

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

### 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](https://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		
H8C10KV01035	1	35	16	28	820
H8C10KV01050	1	50	16	29	960
H8C10KV01070	1	70	16	31	1150
H8C10KV01095	1	95	16	32	1450
H8C10KV01120	1	120	16	34	1700
H8C10KV01150	1	150	25	35	2000
H8C10KV01185	1	185	25	37	2350
H8C10KV01240	1	240	25	39	2900
H8C10KV01300	1	300	25	41	3550
H8C10KV01400	1	400	35	45	4500
H8C10KV01500	1	500	35	48	5550
H8C10KV01630	1	630	35	49	7014

## ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>		CURRENT CARRYING CAPACITY IN TREFOIL Amps	
Conductor	Copper Wire Screen	In Ground	In Air
35	16	187	197
50	16	220	236
70	16	269	292
95	16	320	358
120	16	363	413
150	25	405	468
185	25	456	535
240	25	526	631
300	25	591	722
400	35	662	827
500	35	744	949
630	37	820	1090

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.