



# N2XS(F)2Y HD620 - 18/30 (36)kV Cable



Eland Product Group: H8C

## 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. The water blocking tape avoids propagation inside the cable.

## CHARACTERISTICS

**Voltage Rating**  $U_0/U$  (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

**Conductor Screen**  
Semi-conductive material

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

**Insulation Screen**  
Semi-conductive material

**Longitudinal Waterblock**  
Swellable tape

**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 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](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		
H8C30KV01050	1	50	16	34	1650
H8C30KV01070	1	70	16	36	1900
H8C30KV01095	1	95	16	37	2150
H8C30KV01120	1	120	16	39	2450
H8C30KV01150	1	150	25	40	2750
H8C30KV01185	1	185	25	42	3150
H8C30KV01185/35	1	185	35	42	2955
H8C30KV01240	1	240	25	44	3800
H8C30KV01240/70	1	240	70	44	3786
H8C30KV01300	1	300	25	47	4400
H8C30KV01400	1	400	35	50	5450
H8C30KV01500	1	500	35	53	6550
H8C30KV01630	1	630	35	58	7803
H8C30KV01800	1	800	35	62	9300

## ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>		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
185	35	466	539
240	25	539	635
240	70	539	635
300	25	606	725
400	35	680	831
500	35	765	953
630	35	841	1094
800	35	890	1250

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.