

NA2XSY HD620 Aluminium Conductor XLPE PVC - 12/20 (24)kV Cable



Eland Product Group: H8H

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.

CHARACTERISTICS

Voltage Rating U_o/U (Um)
12/20 (24)kV

Temperature Rating
Fixed: -20°C to +70°C
Flexed: -5°C to +70°C

Minimum Bending Radius
15 x overall diameter

CONSTRUCTION

Conductor

Class 2 stranded aluminium conductor

Inner Semi-Conductive Layer

Semi-conductive material

Insulation

XLPE (Cross-Linked Polyethylene)

Outer Semi-Conductive Layer

Semi-conductive material

Screen

Copper wires

Sheath

PVC (Polyvinyl Chloride)

Sheath Colour

● Red

STANDARDS

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

Flame Retardant according to BS EN IEC 60332-1-2

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



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		
H8H20KV01050	1	50	16	33	950
H8H20KV01070	1	70	16	35	1050
H8H20KV01095	1	95	16	36	1150
H8H20KV01120	1	120	16	38	1300
H8H20KV01150	1	150	25	39	1500
H8H20KV01185	1	185	25	41	1650
H8H20KV01240	1	240	25	44	1850
H8H20KV01300	1	300	25	46	2100
H8H20KV01400	1	400	35	49	2550

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²		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.