

**ELAND<sup>®</sup>**  
**CABLES**

# NA2XSX Aluminium Conductor XLPE PVC - 18/30 (36)kV Cable



Eland Product Group: A9X

## APPLICATION

To be laid directly in ground, outdoors, indoors and in cable ducts. Medium voltage cables for distribution networks, also for connection to generation units and plant and process connection.

## CHARACTERISTICS

**Voltage Rating** U<sub>0</sub>/U (U<sub>m</sub>)  
18/30 (36)kV

**Temperature Rating**  
Fixed: -20°C to +90°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, BS EN/IEC 60228,  
IEC 60502-2

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



## ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



## REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.



## 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		
A9XA30KV1050	1	50	16	41	1190
A9XA30KV1070	1	70	16	42	1315
A9XA30KV1095	1	95	16	43	1450
A9XA30KV1120	1	120	16	45	1580
A9XA30KV1150	1	150	25	47	1800
A9XA30KV1185	1	185	25	49	1965
A9XA30KV1240	1	240	25	51	2230
A9XA30KV1300	1	300	25	53	2470
A9XA30KV1400	1	400	35	56	2920

## ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>		CURRENT CARRYING CAPACITY Amps	
Conductor	Copper Wire Screen	In Trefoil	
		In Ground	In Air
50	16	175	187
70	16	214	232
95	16	256	281
120	16	290	323
150	25	324	365
185	25	366	418
240	25	426	494
300	25	479	564
400	35	545	654

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.