

**ELAND**<sup>®</sup>  
CABLES

## NA2XSX Aluminium Conductor XLPE PVC - 6/10 (12)kV Cable



Eland Product Group: A9X

### 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**  $U_0/U$  (Um)  
6/10 (12)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, 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		
A9XA10KV1035	1	35	16	28	700
A9XA10KV1050	1	50	16	29	750
A9XA10KV1070	1	70	16	31	850
A9XA10KV1095	1	95	16	32	950
A9XA10KV1120	1	120	16	34	1050
A9XA10KV1150	1	150	25	35	1300
A9XA10KV1185	1	185	25	37	1400
A9XA10KV1240	1	240	25	39	1650
A9XA10KV1300	1	300	25	40	1850
A9XA10KV1400	1	400	35	45	2300

## ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>		CURRENT CARRYING CAPACITY Amps	
Conductor	Copper Wire Screen	In Ground	In Air
35	16	145	153
50	16	171	183
70	16	208	228
95	16	248	278
120	16	283	321
150	25	315	364
185	25	357	418
240	25	413	494
300	25	466	568
400	35	529	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.