



ELAND[®]
CABLES

NA2XS(F)2Y Aluminium Conductor XLPE PE - 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. The swellable tape provides additional waterblocking properties, making the cable longitudinally water tight and preventing water propagation along the cable.

CHARACTERISTICS

Voltage Rating U_0/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 aluminium conductor

Inner Semi-Conductive Layer
Semi-conductive material

Insulation
XLPE (Cross-Linked Polyethylene)

Outer Semi-Conductive Layer
Semi-conductive material

Screen
Copper wires and copper tape

Tape
Water-swellable tape

Sheath
PE (Polyethylene)

Sheath Colour
● Black

STANDARDS

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

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 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 ²		NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Conductor	Copper Wire Screen		
A9XAF10KV1035	1	35	16	28	600
A9XAF10KV1050	1	50	16	29	670
A9XAF10KV1070	1	70	16	31	770
A9XAF10KV1095	1	95	16	32	880
A9XAF10KV1120	1	120	16	34	950
A9XAF10KV1150	1	150	25	35	1150
A9XAF10KV1185	1	185	25	37	1250
A9XAF10KV1240	1	240	25	39	1500
A9XAF10KV1300	1	300	25	41	1700
A9XAF10KV1400	1	400	35	45	2100
A9XAF10KV1500	1	500	35	44	2850
A9XAF10KV1630	1	630	35	49	2969

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²		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
500	35	602	767
630	35	675	890

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.