

ELAND[®]
CABLES

NA2XS(F)2Y Aluminium Conductor XLPE PE - 12/20 (24)kV Cable



Eland Product Group: A9X

APPLICATION

Medium voltage cables for distribution networks; also for connection to generation units and plant and process connections. 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)
12/20 (24)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, BS EN/IEC 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 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 ²		NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Conductor	Copper Wire Screen		
A9XAF20KV1050	1	50	16	33	820
A9XAF20KV1070	1	70	16	35	930
A9XAF20KV1095	1	95	16	36	1050
A9XAF20KV1120	1	120	16	38	1150
A9XAF20KV1150	1	150	25	39	1350
A9XAF20KV1185	1	185	25	41	1500
A9XAF20KV1240	1	240	25	44	1750
A9XAF20KV1300	1	300	25	46	2000
A9XAF20KV1400	1	400	35	49	2350

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.