

**ELAND<sup>®</sup>**  
CABLES

## N2XS(F)2Y - 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. This cable is longitudinally water tight 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 copper 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**  
Swellable tape

**Outer 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 <sup>2</sup>		NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Conductor	Copper Wire Screen		
A9XF10KV1035	1	35	16	28	820
A9XF10KV1050	1	50	16	29	960
A9XF10KV1070	1	70	16	31	1150
A9XF10KV1095	1	95	16	32	1450
A9XF10KV1120	1	120	16	34	1700
A9XF10KV1150	1	150	25	35	2000
A9XF10KV1185	1	185	25	37	2350
A9XF10KV1240	1	240	25	39	2900
A9XF10KV1300	1	300	25	41	3550
A9XF10KV1400	1	400	35	45	4500
A9XF10KV1500	1	500	35	48	5550
A9XF10KV1630	1	630	37	49	7014

## ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>		CURRENT CARRYING CAPACITY IN TREFOIL Amps	
Conductor	Copper Wire Screen	In Ground	In Air
35	16	187	197
50	16	220	236
70	16	269	292
95	16	320	358
120	16	363	413
150	25	405	468
185	25	456	535
240	25	526	631
300	25	591	722
400	35	662	827
500	35	744	949
630	37	820	1090

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.