

N2XS(F)2Y - 18/30 (36)kV Cable



Eland Product Group: A9X

APPLICATION

Medium voltage cables for distribution networks; also for connection to generation units and plant and process connection. For installation in ground, in water outdoors, indoors and in cable ducts for power stations, industry, and distribution networks. The water blocking tape avoids propagation inside the cable.

CHARACTERISTICS

Voltage Rating U_0/U (Um)
18/30 (36)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
Water-swellable tape

Outer Sheath
PE (Polyethylene)

Sheath Colour
● Black

STANDARDS

DIN VDE 0276-620, HD 620, IEC/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		
A9XF30KV1050	1	50	16	34	1650
A9XF30KV1070	1	70	16	36	1900
A9XF30KV1095	1	95	16	37	2150
A9XF30KV1120	1	120	16	39	2450
A9XF30KV1150	1	150	25	40	2750
A9XF30KV1185	1	185	25	42	3150
A9XF30KV1185/35	1	185	35	42	2955
A9XF30KV1240	1	240	25	44	3800
A9XF30KV1240/70	1	240	70	44	3786
A9XF30KV1300	1	300	25	47	4400
A9XF30KV1400	1	400	35	50	5450
A9XF30KV1500	1	500	35	53	6550
A9XF30KV1630	1	630	35	58	7803
A9XF30KV1800	1	800	35	62	9300

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²		CURRENT CARRYING CAPACITY IN TREFOIL Amps	
Conductor	Copper Wire Screen	In Ground	In Air
50	16	225	241
70	16	274	299
95	16	327	363
120	16	371	418
150	25	414	472
185	25	466	539
185	35	466	539
240	25	539	635
240	70	539	635
300	25	606	725
400	35	680	831
500	35	765	953
630	35	841	1094
800	35	890	1250

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.