

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.

CONSTRUCTION

Conductor

Class 2 stranded copper conductor according to BS EN 60228 (previously BS 6360)

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 1

Swellable tape

Sheath

PE (Polyethylene)

CABLE STANDARDS

VDE 0276-620



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

CHARACTERISTICS

Voltage Rating (U_o/U)(U_m)

18/30 (36)kV

Test Voltage

63kV

Temperature Rating

-20°C to +70°C

Minimum bending Radius

15 x overall diameter

Sheath Colour

● Black

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA		NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Conductor mm ²	Copper Wire Screen mm ²		
A9XF30KV1050	1	50	RM/16	34	1650
A9XF30KV1070	1	70	RM/16	36	1900
A9XF30KV1095	1	95	RM/16	37	2150
A9XF30KV1120	1	120	RM/16	39	2450
A9XF30KV1150	1	150	RM/25	40	2750
A9XF30KV1185	1	185	RM/25	42	3150
A9XF30KV1185	1	185	RM/35	42	2955
A9XF30KV1240	1	240	RM/25	44	3800
A9XF30KV1240	1	240	RM/70	44	3786
A9XF30KV1300	1	300	RM/25	47	4400
A9XF30KV1400	1	400	RM/35	50	5450
A9XF30KV1500	1	500	RM/35	53	6550
A9XF30KV1630	1	630	RM/35	58	7803
A9XF30KV1800	1	800	RM/35	62	9300

ELECTRICAL CHARACTERISTICS

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