

# N2XS2Y XLPE PE - 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.

## CABLE STANDARDS

DIN VDE 0276-620, HD 620 S1, DIN EN 60228,  
BS EN/IEC 60332-1-2



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.

## 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

### Sheath

PE (Polyethylene)

## CHARACTERISTICS

### Voltage Rating (U<sub>0</sub>/U)(U<sub>m</sub>)

18/30 (36)kV

### Test Voltage

63kV

### Temperature Rating

Fixed: -20°C to +90°C

Flexed: -20°C to +90°C

### Short Circuit Temperature

+250°C

### Minimum bending Radius

15 x overall diameter

### Sheath Colour

● Black

## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA		MAXIMUM OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Conductor mm <sup>2</sup>	Copper Wire Screen mm <sup>2</sup>		
A9XY30KV1050	1	50	RM/16	38	1350
A9XY30KV1070	1	70	RM/16	40	1600
A9XY30KV1095	1	95	RM/16	41	1900
A9XY30KV1120	1	120	RM/16	43	2200
A9XY30KV1150	1	150	RM/25	44	2550
A9XY30KV1185	1	185	RM/25	46	2950
A9XY30KV1240	1	240	RM/25	48	3500
A9XY30KV1300	1	300	RM/25	51	4150
A9XY30KV1400	1	400	RM/35	54	5150
A9XY30KV1500	1	500	RM/35	57	6200

## ELECTRICAL CHARACTERISTICS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA		CURRENT CARRYING CAPACITY	
				In Trefoil	
		Conductor mm <sup>2</sup>	Copper Wire Screen mm <sup>2</sup>	In Ground Amps	In Air Amps
A9XY30KV1050	1	50	RM/16	225	241
A9XY30KV1070	1	70	RM/16	274	299
A9XY30KV1095	1	95	RM/16	327	363
A9XY30KV1120	1	120	RM/16	371	418
A9XY30KV1150	1	150	RM/25	414	472
A9XY30KV1185	1	185	RM/25	466	539
A9XY30KV1240	1	240	RM/25	539	635
A9XY30KV1300	1	300	RM/25	606	725
A9XY30KV1400	1	400	RM/35	680	831
A9XY30KV1500	1	500	RM/35	765	953