

# N2XSY XLPE PVC - 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. To be laid directly in ground, outdoors, indoors and in cable ducts.

## CONSTRUCTION

### Conductor

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

PVC (Polyvinyl Chloride)

## CABLE STANDARDS

DIN VDE 0276-620, HD 620 S1, DIN/BS 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.

## CHARACTERISTICS

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

18/30 (36)kV

### Test Voltage

63kV

### Temperature Rating

Fixed: -20°C to +70°C

Flexed: -5°C to +70°C

### Short Circuit Temperature

+250°C

### Minimum Bending Radius

15 x overall diameter

### Sheath Colour

● Red

## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA		MINIMUM OVERALL DIAMETER mm	MAXIMUM OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Conductor mm <sup>2</sup>	Copper Wire Screen mm <sup>2</sup>			
A9X30KV1050	1	50	RM/16	33	38	1450
A9X30KV1070	1	70	RM/16	35	40	1700
A9X30KV1095	1	95	RM/16	36	41	2050
A9X30KV1120	1	120	RM/16	38	43	2300
A9X30KV1150	1	150	RM/25	39	44	2700
A9X30KV1185	1	185	RM/25	41	46	3100
A9X30KV1240	1	240	RM/25	43	48	3700
A9X30KV1300	1	300	RM/25	46	51	4350
A9X30KV1400	1	400	RM/35	49	54	5300
A9X30KV1500	1	500	RM/35	52	57	6450

\* trefoil touching arrangement

## ELECTRICAL CHARACTERISTICS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA		CURRENT CARRYING CAPACITY	
		Conductor mm <sup>2</sup>	Copper Wire Screen mm <sup>2</sup>	In Ground Amps	In Air Amps
A9X30KV1050	1	50	RM/16	225	241
A9X30KV1070	1	70	RM/16	274	299
A9X30KV1095	1	95	RM/16	327	363
A9X30KV1120	1	120	RM/16	371	418
A9X30KV1150	1	150	RM/25	414	472
A9X30KV1185	1	185	RM/25	466	539
A9X30KV1240	1	240	RM/25	539	635
A9X30KV1300	1	300	RM/25	606	725
A9X30KV1400	1	400	RM/35	680	831
A9X30KV1500	1	500	RM/35	765	953