

# NA2XS2Y Aluminium Conductor 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. To be laid directly in ground, outdoors, indoors and in cable ducts.

## CONSTRUCTION

### Conductor

Class 2 stranded aluminium 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)

## 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.

## 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 +70°C

Flexed: -20°C to +70°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 mm <sup>2</sup>		MAXIMUM OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Conductor	Copper Wire Screen		
A9XAY30KV1050	1	50	RM/16	38	1100
A9XAY30KV1070	1	70	RM/16	40	1200
A9XAY30KV1095	1	95	RM/16	41	1350
A9XAY30KV1120	1	120	RM/16	43	1450
A9XAY30KV1150	1	150	RM/25	44	1700
A9XAY30KV1185	1	185	RM/25	46	1850
A9XAY30KV1240	1	240	RM/25	48	2050
A9XAY30KV1300	1	300	RM/25	51	2350
A9XAY30KV1400	1	400	RM/35	54	2800

## ELECTRICAL CHARACTERISTICS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>		CURRENT CARRYING CAPACITY	
		Conductor	Copper Wire Screen	In Trefoil	
				In Ground Amps	In Air Amps
A9XAY30KV1050	1	50	RM/16	174	187
A9XAY30KV1070	1	70	RM/16	213	232
A9XAY30KV1095	1	95	RM/16	254	282
A9XAY30KV1120	1	120	RM/16	289	325
A9XAY30KV1150	1	150	RM/25	322	367
A9XAY30KV1185	1	185	RM/25	364	421
A9XAY30KV1240	1	240	RM/25	422	496
A9XAY30KV1300	1	300	RM/25	476	568
A9XAY30KV1400	1	400	RM/35	541	650