

# NA2XS2Y Aluminium Conductor XLPE PE - 12/20 (24)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.

## 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 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)

## CHARACTERISTICS

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

12/20 (24)kV

### Test Voltage

42kV

### 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		
A9XAY20KV1050	1	50	RM/16	33	820
A9XAY20KV1070	1	70	RM/16	35	930
A9XAY20KV1095	1	95	RM/16	36	1050
A9XAY20KV1120	1	120	RM/16	38	1150
A9XAY20KV1150	1	150	RM/25	39	1350
A9XAY20KV1185	1	185	RM/25	41	1500
A9XAY20KV1240	1	240	RM/25	44	1750
A9XAY20KV1300	1	300	RM/25	46	2000
A9XAY20KV1400	1	400	RM/35	49	2350

## ELECTRICAL CHARACTERISTICS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>		CURRENT CARRYING CAPACITY	
				In Trefoil	
		Conductor	Copper Wire Screen	In Ground Amps	In Air Amps
A9XAY20KV1050	1	50	RM/16	172	185
A9XAY20KV1070	1	70	RM/16	210	231
A9XAY20KV1095	1	95	RM/16	251	280
A9XAY20KV1120	1	120	RM/16	285	323
A9XAY20KV1150	1	150	RM/25	319	366
A9XAY20KV1185	1	185	RM/25	361	420
A9XAY20KV1240	1	240	RM/25	417	496
A9XAY20KV1300	1	300	RM/25	471	569
A9XAY20KV1400	1	400	RM/35	535	660