

# N2XSY XLPE PVC - 6/10 (12)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>)

6/10 (12)kV

### Test Voltage

21kV

### 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>			
A9X10KV1035	1	35	RM/16	23	28	900
A9X10KV1050	1	50	RM/16	24	29	1050
A9X10KV1070	1	70	RM/16	26	31	1300
A9X10KV1095	1	95	RM/16	27	32	1600
A9X10KV1120	1	120	RM/16	29	34	1850
A9X10KV1150	1	150	RM/25	30	35	2200
A9X10KV1185	1	185	RM/25	32	37	2600
A9X10KV1240	1	240	RM/25	34	39	3150
A9X10KV1300	1	300	RM/25	36	40	3750
A9X10KV1400	1	400	RM/35	40	45	4650
A9X10KV1500	1	500	RM/35	43	47	5750

\* 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
A9X10KV1035	1	35	RM/16	187	197
A9X10KV1050	1	50	RM/16	220	236
A9X10KV1070	1	70	RM/16	268	294
A9X10KV1095	1	95	RM/16	320	358
A9X10KV1120	1	120	RM/16	363	413
A9X10KV1150	1	150	RM/25	405	468
A9X10KV1185	1	185	RM/25	456	535
A9X10KV1240	1	240	RM/25	526	631
A9X10KV1300	1	300	RM/25	591	722
A9X10KV1400	1	400	RM/35	662	827
A9X10KV1500	1	500	RM/35	739	921

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.