

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.

CHARACTERISTICS

Voltage Rating (U₀/U)(U_m)

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

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)

Sheath Colour

● Red

STANDARDS

DIN VDE 0276-620, HD 620, EN 60228

Flame Retardant according to IEC/EN 60332-1-2

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.





DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²		MINIMUM OVERALL DIAMETER mm	MAXIMUM OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Conductor	Copper Wire Screen			
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

NOMINAL CROSS SECTIONAL AREA mm ²		CURRENT CARRYING CAPACITY Amps	
Conductor	Copper Wire Screen	In Ground	In Air
35	RM/16	187	197
50	RM/16	220	236
70	RM/16	268	294
95	RM/16	320	358
120	RM/16	363	413
150	RM/25	405	468
185	RM/25	456	535
240	RM/25	526	631
300	RM/25	591	722
400	RM/35	662	827
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.