

# N2XSEY 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 e.g. in industrial and switchboard plants.

## CHARACTERISTICS

**Voltage Rating** U<sub>o</sub>/U (U<sub>m</sub>)  
6/10 (12)kV

**Test Voltage**  
21kV

**Temperature Range**  
Fixed: -20°C to +90°C

**Minimum Bending Radius**  
15 x overall diameter

## CONSTRUCTION

**Conductor**  
Stranded copper conductor

**Inner Layer**  
Semi-conductive material

**Insulation**  
XLPE (Cross-Linked Polyethylene)

**Outer Layer**  
Semi-conductive material and tape

**Screen**  
Copper wires

**Outer Sheath**  
PVC (Polyvinyl Chloride)

**Sheath Colour**  
● Red

## STANDARDS

DIN VDE 0276-620, HD 620 S2, IEC/EN 60228, IEC/EN 60502-2  
Flame Retardant according to IEC/EN 60332-1-2

## THE CABLE LAB<sup>®</sup>

AN ISO/IEC 17025 AND IECCE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



## SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: [www.elandcables.com/company/about-us/esg-sustainability](http://www.elandcables.com/company/about-us/esg-sustainability)



## 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<sup>®</sup> as meeting the requirements of the BSI RoHS Trusted Kitemark<sup>™</sup>.





## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>		NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Conductor	Copper Wire Screen		
A9X10KV3035	3	35	16	49	2600
A9X10KV3050	3	50	16	51	2900
A9X10KV3070	3	70	16	55	3350
A9X10KV3095	3	95	16	58	4200
A9X10KV3120	3	120	16	62	5050
A9X10KV3150	3	150	25	66	6000
A9X10KV3185	3	185	25	69	7200
A9X10KV3240	3	240	25	75	9000

## ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>		CURRENT CARRYING CAPACITY Amps	
Conductor	Copper Wire Screen	In Ground	In Air
35	16	213	213
50	16	220	236
70	16	261	265
95	16	312	322
120	16	355	370
150	25	399	420
185	25	451	481
240	25	523	566

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.