

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_0/U (Um)
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, BS EN/IEC 60228, BS EN/IEC 60502

Flame Retardant according to BS EN/IEC 60332-1-2, BS EN/IEC 60502-2

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		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 ²		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.