

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.

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

Sheath

PVC (Polyvinyl Chloride)

CABLE STANDARDS

DIN VDE 0276-620, HD 620 S1, DIN EN 60228,
BS EN/IEC 60332-1-2, BS EN/IEC 60502



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 (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

Sheath

● Red

DIMENSIONS

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

ELECTRICAL CHARACTERISTICS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA		CURRENT CARRYING CAPACITY	
		Conductor mm ²	Copper Wire Screen mm ²	In Ground Amps	In Air Amps
A9X10KV3035	3	35	RM/16	213	213
A9X10KV3050	3	50	RM/16	220	236
A9X10KV3070	3	70	RM/16	261	265
A9X10KV3095	3	95	RM/16	312	322
A9X10KV3120	3	120	RM/16	355	370
A9X10KV3150	3	150	RM/25	399	420
A9X10KV3185	3	185	RM/25	451	481
A9X10KV3240	3	240	RM/25	523	566