

NA2XSX Aluminium Conductor XLPE PVC - 18/30 (36)kV Cable



Eland Product Group: **A9X**

APPLICATION

To be laid directly in ground, outdoors, indoors and in cable ducts. Medium voltage cables for distribution networks, also for connection to generation units and plant and process connection.

CONSTRUCTION

Conductor

Class 2 stranded aluminium 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 (U₀/U)(U_m)

18/30 (36)kV

Test Voltage

63kV

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		MAXIMUM OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Conductor mm ²	Copper Wire Screen mm ²		
A9XA30KV1050	1	50	RM/16	41	1190
A9XA30KV1070	1	70	RM/16	42	1315
A9XA30KV1095	1	95	RM/16	43	1450
A9XA30KV1120	1	120	RM/16	45	1580
A9XA30KV1150	1	150	RM/25	47	1800
A9XA30KV1185	1	185	RM/25	49	1965
A9XA30KV1240	1	240	RM/25	51	2230
A9XA30KV1300	1	300	RM/25	53	2470
A9XA30KV1400	1	400	RM/35	56	2920

ELECTRICAL CHARACTERISTICS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA		CURRENT CARRYING CAPACITY	
				In Trefoil	
		Conductor mm ²	Copper Wire Screen mm ²	In Ground Amps	In Air Amps
A9XA30KV1050	1	50	RM/16	175	187
A9XA30KV1070	1	70	RM/16	214	232
A9XA30KV1095	1	95	RM/16	256	281
A9XA30KV1120	1	120	RM/16	290	323
A9XA30KV1150	1	150	RM/25	324	365
A9XA30KV1185	1	185	RM/25	366	418
A9XA30KV1240	1	240	RM/25	426	494
A9XA30KV1300	1	300	RM/25	479	564
A9XA30KV1400	1	400	RM/35	545	654