

NA2XSY Aluminium Conductor XLPE PVC - 12/20 (24)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.

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 (U_o/U)(U_m)

12/20 (24)kV

Test Voltage

42kV

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		
A9XA20KV1050	1	50	RM/16	33	950
A9XA20KV1070	1	70	RM/16	35	1050
A9XA20KV1095	1	95	RM/16	36	1150
A9XA20KV1120	1	120	RM/16	38	1300
A9XA20KV1150	1	150	RM/25	39	1500
A9XA20KV1185	1	185	RM/25	41	1650
A9XA20KV1240	1	240	RM/25	44	1850
A9XA20KV1300	1	300	RM/25	46	2100
A9XA20KV1400	1	400	RM/35	49	2550

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
A9XA20KV1050	1	50	RM/16	172	185
A9XA20KV1070	1	70	RM/16	210	231
A9XA20KV1095	1	95	RM/16	251	280
A9XA20KV1120	1	120	RM/16	285	323
A9XA20KV1150	1	150	RM/25	319	366
A9XA20KV1185	1	185	RM/25	361	420
A9XA20KV1240	1	240	RM/25	417	496
A9XA20KV1300	1	300	RM/25	471	569
A9XA20KV1400	1	400	RM/35	535	660