

NA2XS2Y Aluminium Conductor XLPE PE - 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.

CABLE STANDARDS

DIN VDE 0276-620, HD 620 S1, DIN 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.

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

PE (Polyethylene)

CHARACTERISTICS

Voltage Rating (U₀/U)(U_m)

6/10 (12)kV

Test Voltage

21kV

Temperature Rating

Fixed: -20°C to +70°C

Flexed: -20°C to +70°C

Short Circuit Temperature

+250°C

Minimum Bending Radius

15 x overall diameter

Sheath Colour

● Black

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²		MAXIMUM OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Conductor	Copper Wire Screen		
A9XAY10KV1035	1	35	RM/16	28	600
A9XAY10KV1050	1	50	RM/16	29	670
A9XAY10KV1070	1	70	RM/16	31	770
A9XAY10KV1095	1	95	RM/16	32	880
A9XAY10KV1120	1	120	RM/16	34	950
A9XAY10KV1150	1	150	RM/25	35	1150
A9XAY10KV1185	1	185	RM/25	37	1250
A9XAY10KV1240	1	240	RM/25	39	1500
A9XAY10KV1300	1	300	RM/25	41	1700
A9XAY10KV1400	1	400	RM/35	45	2100

ELECTRICAL CHARACTERISTICS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²		CURRENT CARRYING CAPACITY	
				In Trefoil	
		Conductor	Copper Wire Screen	In Ground Amps	In Air Amps
A9XAY10KV1035	1	35	RM/16	145	153
A9XAY10KV1050	1	50	RM/16	171	183
A9XAY10KV1070	1	70	RM/16	208	228
A9XAY10KV1095	1	95	RM/16	248	278
A9XAY10KV1120	1	120	RM/16	283	321
A9XAY10KV1150	1	150	RM/25	315	364
A9XAY10KV1185	1	185	RM/25	357	418
A9XAY10KV1240	1	240	RM/25	413	494
A9XAY10KV1300	1	300	RM/25	466	568
A9XAY10KV1400	1	400	RM/35	529	660

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.