

NA2XS(F)2Y 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. The swellable tape provides additional waterblocking properties, making the cable longitudinally water tight and preventing water propagation along the cable.

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 and copper tape

Tape 1

Swellable tape

Sheath

PE (Polyethylene)

CABLE STANDARDS

DIN VDE 0276-620, HD 620 S1, DIN EN 60228,



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

-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		
A9XAF10KV1035	1	35	RM/16	28	600
A9XAF10KV1050	1	50	RM/16	29	670
A9XAF10KV1070	1	70	RM/16	31	770
A9XAF10KV1095	1	95	RM/16	32	880
A9XAF10KV1120	1	120	RM/16	34	950
A9XAF10KV1150	1	150	RM/25	35	1150
A9XAF10KV1185	1	185	RM/25	37	1250
A9XAF10KV1240	1	240	RM/25	39	1500
A9XAF10KV1300	1	300	RM/25	41	1700
A9XAF10KV1400	1	400	RM/35	45	2100
A9XAF10KV1500	1	500	RM/35	44	2850
A9XAF10KV1630	1	630	RM/35	49	2969

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²		CURRENT CARRYING CAPACITY	
Conductor	Copper Wire Screen	In Trefoil	
		In Ground Amps	In Air Amps
35	RM/16	145	153
50	RM/16	171	183
70	RM/16	208	228
95	RM/16	248	278
120	RM/16	283	321
150	RM/25	315	364
185	RM/25	357	418
240	RM/25	413	494
300	RM/25	466	568
400	RM/35	529	660
500	RM/35	602	767
630	RM/35	675	890