

NA2XS(FL)2Y 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. 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) DIX8

Outer Semi-Conductive Layer

Semi-conductive material

Screen

Copper wires and copper tape

Tape 1

Swellable tape

Tape 2

Aluminium foil tape tightly bonded to sheath

Sheath

PE (Polyethylene) Type DMP2

CABLE STANDARDS

DIN VDE 0276-620



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

-20°C to +70°C

Minimum Bending Radius

15 x overall diameter

Sheath Colour

● Black

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²		APPROXIMATE MAXIMUM OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Conductor	Copper Wire Screen		
A9XAFL20KV1035	1	35	RM/16	32	900
A9XAFL20KV1050	1	50	RM/16	32	965
A9XAFL20KV1070	1	70	RM/16	33	1060
A9XAFL20KV1095	1	95	RM/16	35	1170
A9XAFL20KV1120	1	120	RM/16	35	1270
A9XAFL20KV150	1	150	RM/25	36	1475
A9XAFL20KV1185	1	185	RM/25	37	1630
A9XAFL20KV1240	1	240	RM/25	39	1880
A9XAFL20KV1300	1	300	RM/25	42	2185
A9XAFL20KV1400	1	400	RM/35	45	2585
A9XAFL20KV1500	1	500	RM/35	48	2990
A9XAFL20KV1630	1	630	RM/35	52	3440