

NA2XS(F)2Y Aluminium Conductor XLPE PE - 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 connections. 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,
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

-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		
A9XAF20KV1050	1	50	RM/16	33	820
A9XAF20KV1070	1	70	RM/16	35	930
A9XAF20KV1095	1	95	RM/16	36	1050
A9XAF20KV1120	1	120	RM/16	38	1150
A9XAF20KV1150	1	150	RM/25	39	1350
A9XAF20KV1185	1	185	RM/25	41	1500
A9XAF20KV1240	1	240	RM/25	44	1750
A9XAF20KV1300	1	300	RM/25	46	2000
A9XAF20KV1400	1	400	RM/35	49	2350

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²		CURRENT CARRYING CAPACITY	
Conductor	Copper Wire Screen	In Trefoil	
		In Ground Amps	In Air Amps
50	RM/16	172	185
70	RM/16	210	231
95	RM/16	251	280
120	RM/16	285	323
150	RM/25	319	366
185	RM/25	361	420
240	RM/25	417	496
300	RM/25	471	569
400	RM/35	535	660