

N2XS(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. For installation in ground, in water outdoors, indoors and in cable ducts for power stations, industry, and distribution networks. The water blocking tape avoids propagation inside the cable.

CONSTRUCTION

Conductor

Class 2 stranded copper conductor according to BS EN 60228 (previously BS 6360)

Inner Semi-Conductive Layer

Semi-conductive material

Insulation

XLPE (Cross-Linked Polyethylene) DIX8

Outer Semi-Conductive Layer

Semi-conductive material

Tape 1

Swellable tape

Tape 2

Aluminium foil tape tightly bonded to sheath

Screen

Copper wires and copper tape

Sheath

PE (Polyethylene) Type DMP2

CABLE STANDARDS

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

Flexed: -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		APPROXIMATE NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Conductor mm ²	Copper Wire Screen mm ²		
A9XFL20KV1035	1	35	RM/16	32	1100
A9XFL20KV1050	1	50	RM/16	32	1255
A9XFL20KV1070	1	70	RM/16	33	1510
A9XFL20KV1095	1	95	RM/16	35	1765
A9XFL20KV1120	1	120	RM/16	35	2070
A9XFL20KV1150	1	150	RM/25	36	2320
A9XFL20KV1185	1	185	RM/25	37	2780
A9XFL20KV1240	1	240	RM/25	39	3380
A9XFL20KV1300	1	300	RM/25	42	4035
A9XFL20KV1400	1	400	RM/35	45	4985
A9XFL20KV1500	1	500	RM/35	48	6090