

N2XS2Y 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 connection. For installation in ground, in water outdoors, indoors and in cable ducts for power stations, industry, and distribution networks.

CONSTRUCTION

Conductor

Class 2 stranded copper 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)

CABLE STANDARDS

DIN VDE 0276-620, HD 620 S1, BS 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

Fixed: -20°C to +90°C

Flexed: -20°C to +90°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		MAXIMUM OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Conductor mm ²	Copper Wire Screen mm ²		
A9XY20KV1035	1	35	RM/16	32	1000
A9XY20KV1050	1	50	RM/16	33	1150
A9XY20KV1070	1	70	RM/16	35	1350
A9XY20KV1095	1	95	RM/16	36	1600
A9XY20KV1120	1	120	RM/16	38	1850
A9XY20KV1150	1	150	RM/25	39	2250
A9XY20KV1185	1	185	RM/25	41	2600
A9XY20KV1240	1	240	RM/25	44	3150
A9XY20KV1300	1	300	RM/25	46	3800
A9XY20KV1400	1	400	RM/35	49	4750
A9XY20KV1500	1	500	RM/35	52	5800

ELECTRICAL CHARACTERISTICS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA		CURRENT CARRYING CAPACITY	
				In Trefoil	
		Conductor mm ²	Copper Wire Screen mm ²	In Ground Amps	In Air Amps
A9XY20KV1035	1	35	RM/16	189	200
A9XY20KV1050	1	50	RM/16	222	239
A9XY20KV1070	1	70	RM/16	271	297
A9XY20KV1095	1	95	RM/16	323	361
A9XY20KV1120	1	120	RM/16	367	416
A9XY20KV1150	1	150	RM/25	409	470
A9XY20KV1185	1	185	RM/25	461	538
A9XY20KV1240	1	240	RM/25	532	634
A9XY20KV1300	1	300	RM/25	599	724
A9XY20KV1400	1	400	RM/35	671	829
A9XY20KV1500	1	500	RM/35	754	953