ELAND® CABLES

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.

CHARACTERISTICS

Voltage Rating (Uo/U)(Um)
12/20 (24)kV

Test Voltage
42kV

Temperature Rating
-20°C to +90°C

Minimum Bending Radius
15 x overall diameter

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)

Sheath Colour
● Black

STANDARDS

DIN VDE 0276-620, HD 620 S1, IEC/EN 60228, IEC 60502-2

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.

UKAS ISO/IEC 17025 Accredited Testing Laboratory 8578

bsi. ISO 9001 Quality Management FS 672069 | ISO 14001 Environmental Management EMS 672067 | ISO 45001 Occupational Health and Safety Management OHS 672066

REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.

bsi. RoHS Trusted KITEMARK™ KM 634267

RoHS

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²		NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Conductor	Copper Wire Screen		
A9XY20KV1035	1	35	16	32	1000
A9XY20KV1050	1	50	16	33	1150
A9XY20KV1070	1	70	16	35	1350
A9XY20KV1095	1	95	16	36	1600
A9XY20KV1120	1	120	16	38	1850
A9XY20KV1150	1	150	25	39	2250
A9XY20KV1185	1	185	25	41	2600
A9XY20KV1240	1	240	25	44	3150
A9XY20KV1300	1	300	25	46	3800
A9XY20KV1400	1	400	35	49	4750
A9XY20KV1500	1	500	35	52	5800

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm²		CURRENT CARRYING CAPACITY IN TREFOIL Amps	
Conductor	Copper Wire Screen	In Ground	In Air
35	16	189	200
50	16	222	239
70	16	271	297
95	16	323	361
120	16	367	416
150	25	409	470
185	25	461	538
240	25	532	634
300	25	599	724
400	35	671	829
500	35	754	953

UK T 020 7241 8787 | F 020 7241 8700 | sales@elandcables.com | www.elandcables.com
International T +44 20 7241 8740 | F +44 20 7241 8700 | international@elandcables.com