

NA2XS2Y Aluminium Conductor XLPE PE - 6/10 (12)kV Cable



Eland Product Group: **A9X**

APPLICATION

To be laid directly in ground, outdoors, indoors and in cable ducts.

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

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 (U₀/U)(U_m)

6/10 (12)kV

Test Voltage

21kV

Temperature Rating

Fixed: -20°C to +70°C

Flexed: -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 | | |
| A9XAY10KV1035 | 1 | 35 | RM/16 | 28 | 600 |
| A9XAY10KV1050 | 1 | 50 | RM/16 | 29 | 670 |
| A9XAY10KV1070 | 1 | 70 | RM/16 | 31 | 770 |
| A9XAY10KV1095 | 1 | 95 | RM/16 | 32 | 880 |
| A9XAY10KV1120 | 1 | 120 | RM/16 | 34 | 950 |
| A9XAY10KV1150 | 1 | 150 | RM/25 | 35 | 1150 |
| A9XAY10KV1185 | 1 | 185 | RM/25 | 37 | 1250 |
| A9XAY10KV1240 | 1 | 240 | RM/25 | 39 | 1500 |
| A9XAY10KV1300 | 1 | 300 | RM/25 | 41 | 1700 |
| A9XAY10KV1400 | 1 | 400 | RM/35 | 45 | 2100 |

ELECTRICAL CHARACTERISTICS

| ELAND PART NO. | NO. OF CORES | NOMINAL CROSS SECTIONAL AREA mm ² | | CURRENT CARRYING CAPACITY | |
|----------------|--------------|---|--------------------|---------------------------|-------------|
| | | | | In Trefoil | |
| | | Conductor | Copper Wire Screen | In Ground Amps | In Air Amps |
| A9XAY10KV1035 | 1 | 35 | RM/16 | 145 | 153 |
| A9XAY10KV1050 | 1 | 50 | RM/16 | 171 | 183 |
| A9XAY10KV1070 | 1 | 70 | RM/16 | 208 | 228 |
| A9XAY10KV1095 | 1 | 95 | RM/16 | 248 | 278 |
| A9XAY10KV1120 | 1 | 120 | RM/16 | 283 | 321 |
| A9XAY10KV1150 | 1 | 150 | RM/25 | 315 | 364 |
| A9XAY10KV1185 | 1 | 185 | RM/25 | 357 | 418 |
| A9XAY10KV1240 | 1 | 240 | RM/25 | 413 | 494 |
| A9XAY10KV1300 | 1 | 300 | RM/25 | 466 | 568 |
| A9XAY10KV1400 | 1 | 400 | RM/35 | 529 | 660 |

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.