

# NA2XY Cable

## Aluminium XLPE PVC - 0.6/1kV



Eland Product Group: A9X

### APPLICATION

For fixed installation in buildings, in free air, in ground and in water.

### CHARACTERISTICS

**Voltage Rating** U<sub>o</sub>/U (U<sub>m</sub>) 0.6/1 (1.2)kV

**Nominal Voltage DC (core-earth/core-core)**  
1.8/1.8kV

**Test Voltage**  
4kV

**Temperature Rating**  
Flexed: 5°C to +70°C  
Fixed: -35°C to +70°C

**Maximum Short Circuit Temperature**  
+250°C (max 5 seconds)

**Minimum Bend Radius**  
Single core: 15 x overall diameter  
Multi core: 12 x overall diameter

### CONSTRUCTION

**Conductor**  
Class 2 stranded Aluminium\* conductor

**Insulation**  
XLPE (Cross-Linked Polyethylene)

**Sheath**  
PVC (Polyvinyl Chloride)

**Core Identification**  
**NA2XY-J:** 3 core: ● Blue ● Brown ● Green/Yellow  
 4 core: ● Brown ● Black ● Grey ● Green/Yellow  
**NA2XY-O:** 2 core: ● Blue ● Brown  
 3 core: ● Brown ● Black ● Grey  
 4 core: ● Brown ● Black ● Grey ● Blue

**Sheath Colour**  
● Black

Note: Class 1 solid conductors available on request

### STANDARDS

IEC 60502-1, VDE 0276-603

Flame retardant according to IEC/EN 60332-1-2

### 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.



8578



FS 672069



EMS 672067



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™.



KM 634267





## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>		NOMINAL THICKNESS OF INSULATION mm	NOMINAL THICKNESS OF SHEATH mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Phase Conducto	Earth Conductor				
A9X01KV1120	1	120	-	1.2	1.8	17.7	465
A9X01KV1150	1	150	-	1.4	1.8	20.1	580
A9X01KV1185	1	185	-	1.6	1.8	22.1	715
A9X01KV1240	1	240	-	1.7	1.8	25.0	905
A9X01KV1300	1	300	-	1.8	1.8	27.5	1120
A9X01KV1400	1	400	-	2	1.9	31.4	1440
A9X01KV1500	1	500	-	2.2	2	34.6	1770
A9X01KV1630	1	630	-	2.4	-	37.0	2180
A9X01KV3070	3	70	35	1.1	1.9	33.0	1450
A9X01KV3095	3	95	50	1.1	2.1	37.3	1910
A9X01KV3120	3	120	70	1.2	2.2	41.5	2410
A9X01KV3150	3	150	70	1.4	2.3	49.0	3535
A9X01KV3185	3	185	95	1.6	2.5	51.0	3810
A9X01KV3240	3	240	120	1.7	2.7	58.0	4880
A9X01KV3300	3	300	150	1.8	2.8	64.2	5610
A9X01KV4016	4	16	16	0.9	1.8	22.4	675
A9X01KV4025	4	25	16	0.9	1.8	26.0	910
A9X01KV4035	4	35	16	0.9	1.8	28.7	1120
A9X01KV4050	4	50	25	1	1.8	33.0	1475
A9X01KV4070	4	70	35	1.1	1.9	38.0	1985
A9X01KV4095	4	95	50	1.1	2.1	23.0	2580
A9X01KV4120	4	120	70	1.2	2.2	47.2	3175
A9X01KV4150	4	150	70	1.4	2.3	54.2	4035
A9X01KV4185	4	185	95	1.6	2.5	59.4	4945
A9X01KV4240	4	240	120	1.7	2.7	68.1	6425
A9X01KV4300	4	300	150	1.8	2.8	75.1	7910

## CONDUCTORS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C ohms/km
Phase Conductor	
16	1.91
25	1.2
35	0.868
50	0.641
70	0.443
95	0.32
120	0.253
150	0.206
185	0.164
240	0.125
300	0.1
400	0.0778
500	0.0605
630	0.0469

## CURRENT CARRYING CAPACITY

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	CURRENT CARRYING CAPACITY Amps					
	In Ground			In Air		
	Single Core Flat	Single Core Triplex	Multi-Core	Single Core Flat	Single Core Triplex	Multi-Core
16	-	-	85	-	-	65
25	-	-	111	-	-	100
35	-	-	132	-	-	122
50	-	-	157	-	-	147
70	-	-	195	-	-	180
95	-	-	233	-	-	232
120	323	274	266	366	296	270
150	361	308	299	420	341	308
185	408	350	340	486	395	357
240	476	408	401	585	475	435
300	537	462	455	675	548	501
400	616	547	-	798	659	-
500	699	621	-	926	814	-
630	-	687	-	-	822	-

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.