

# NA2XRH Aluminium Conductor IEC 60502-1 XLPE SWA LSZH 0.6/1kV Cable



Eland Product Group: A9N

## APPLICATION

Multi-core LSZH cable with steel wire armour (SWA). Power and auxiliary fixed wiring cables for use in power networks, underground, outdoor and indoor applications and for use in cable ducting. For installation where fire, smoke emission and toxic fumes create a potential threat to life and equipment.

## CHARACTERISTICS

**Voltage Rating** U<sub>0</sub>/U  
0.6/1kV

**Maximum Operating Temperature**  
Fixed: -5°C to +90°C

**Minimum Bending Radius**  
15 x overall diameter

## CONSTRUCTION

**Conductor**  
Class 2 stranded aluminium conductor

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

**Filler**  
LSZH (Low Smoke Zero Halogen)

**Armour**  
SWA (Galvanized round steel wire)

**Sheath**  
LSZH (Low Smoke Zero Halogen)

**Core Identification**  
2 core: ● Blue ● Brown  
3 core: ● Brown ● Black ● Grey  
4 core: ● Brown ● Black ● Grey ● Blue  
5 core: ● Brown ● Black ● Grey ● Black ● Blue

**Sheath Colour**  
● Black

## STANDARDS

IEC 60502-1, EN 50267-2-1, EN 60228

Flame Retardant according to IEC/EN 60332-1-2, IEC/EN 60332-3-24  
Low Smoke Zero Halogen according to IEC/EN 60754-1/2, IEC/EN 61034-1/2

## 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.



## REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



This cable meets the requirements of the Low Voltage Directive 2014/35/EU and 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™.





## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A9NA2XRH0425	4	25	29.1	1643
A9NA2XRH0435	4	35	32.2	1970
A9NA2XRH0450	4	50	37.7	2754
A9NA2XRH0470	4	70	43	3696
A9NA2XRH0495	4	95	48.2	4546
A9NA2XRH04120	4	120	52.2	5264
A9NA2XRH04150	4	150	57.7	6289
A9NA2XRH04185	4	185	66.9	8596
A9NA2XRH04240	4	240	74	10334
A9NA2XRH0516	5	16	25.3	1314
A9NA2XRH0525	5	25	31.9	1923
A9NA2XRH0535	5	35	36.1	2547
A9NA2XRH0550	5	50	42.3	3576
A9NA2XRH0570	5	70	47.5	4388
A9NA2XRH0595	5	95	54.1	5575

## CONDUCTORS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C ohms/km
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
16	1.94
25	1.2
35	0.868
50	0.641
70	0.443
95	0.32



## ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	CURRENT CARRYING CAPACITY Amps	
	In Ground	In Air
25	90	97
35	112	120
50	136	146
70	174	187
95	211	227
120	245	263
150	283	304
185	323	347
240	382	409
16	90	77
25	112	97
35	136	120
50	174	146
70	211	187
95	245	227

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.