

## NA2XCY 1kV Cable



Eland Product Group: C5N

### APPLICATION

The NA2XCY cable is suitable for installation in ground, indoors, cable trunking and outdoors. Screened to provide EMC protection, it is used for power distribution in industrial application, including urban networks and household feeders.

### CHARACTERISTICS

**Voltage Rating**  
0.6/1kV

**Temperature Rating**  
Maximum operating temperature: 90°C  
Maximum short circuit temperature: 250°C

**Minimum Bending Radius**  
15 x overall diameter

### CONSTRUCTION

**Conductor**  
Class 2 Stranded Aluminium

**Insulation**  
XLPE (Cross linked Polyethylene)

**Bedding**  
PVC (Polyvinyl Chloride)

**Metallic Screen**  
Copper Wire and Tape

**Outer Sheath**  
PVC (Polyvinyl Chloride)

**Core Identification**  
Single core: ● Brown  
3 core: ● Green/Yellow ● Blue ● Brown

**Outer Sheath Colour**  
● Black

### STANDARDS

IEC 60502 -1, IEC 60228, VDE 0276-603  
Flame Retardant to IEC 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.



### REGULATORY COMPLIANCE

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 CROSS SECTIONAL AREA OF SCREEN mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
C5N01025	1	25	16	15.5	400
C5N01035	1	35	16	16.5	450
C5N01050	1	50	25	18.5	600
C5N01070	1	70	35	20	750
C5N01095	1	95	50	23	1000
C5N01120	1	120	70	25	1300
C5N01150	1	150	70	27	1400
C5N01185	1	185	95	29.5	1800
C5N01240	1	240	120	33	2200
C5N03025	3	25	16	24	800
C5N03035	3	35	16	26.5	1000
C5N03050	3	50	25	30.5	1350
C5N03070	3	70	35	35	1850
C5N03095	3	95	50	39.5	2350
C5N03120	3	120	70	43	2950
C5N03150	3	150	70	48.5	3600
C5N03185	3	185	95	53	4450
C5N03240	3	240	120	59.5	5600
C5N03300	3	300	150	65.5	6850
C5N03400	3	400	185	74.5	8850

## ELECTRICAL CHARACTERISTICS

ELAND PART NO.	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km	CURRENT CARRYING CAPACITY			
			IN GROUND 20°C		IN AIR 30°C	
			FLAT	TREFOIL	FLAT	TREFOIL
C5N01025	25	1.2	-	114	-	106
C5N01035	35	0.868	164	137	163	131
C5N01050	50	0.641	195	163	200	161
C5N01070	70	0.443	238	201	254	205
C5N01095	95	0.320	284	240	313	253
C5N01120	120	0.253	323	274	366	296
C5N01150	150	0.206	361	308	420	341
C5N01185	185	0.164	408	350	486	395
C5N01240	240	0.125	476	408	585	475
			IN GROUND 20°C		IN AIR 30°C	
C5N03025	25	1.2	111		100	
C5N03035	35	0.868	132		122	
C5N03050	50	0.641	157		147	
C5N03070	70	0.443	195		189	
C5N03095	95	0.320	233		232	
C5N03120	120	0.253	266		270	
C5N03150	150	0.206	299		308	
C5N03185	185	0.164	340		357	
C5N03240	240	0.125	401		435	
C5N03300	300	0.100	455		501	
C5N03400	400	0.0778	526		592	

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.