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**ELAND<sup>®</sup>**  
**CABLES**

## N1XE-AR Cable



Eland Product Group: B2ZA

### APPLICATION

The N1XE-AR is mainly used for power distribution in power stations, industrial installation and switchgears, as well as in local mains. For fixed installation underground, in interior premises, cable ducts, in the open air and in water under severe mechanical stressing during installation and operation.

### CHARACTERISTICS

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

**Test Voltage**  
4kV/50Hz

#### Temperature Rating

Minimum laying temperature: -10°C  
Operating temperature: -10°C to +90°C  
Maximum Conductor temperature: +90°C

**Short Circuit Temperature**  
250°C

**Minimum Bending Radius**  
12 x overall diameter

### CONSTRUCTION

#### Conductor

RM: Class 2 round stranded annealed aluminium

#### Insulation

XLPE (Cross-Linked Polyethylene)

#### Outer Sheath

PE (Polyethylene)

#### Core identification

4 core: ● Green/Yellow ● Brown ● Black ● Grey  
5 core: ● Green/Yellow ● Blue ● Brown ● Black ● Grey

#### Outer Sheath Colour

● Black ● Yellow

### STANDARDS

HD 603 S1/50

Flame retardant according to F1

### THE CABLE LAB<sup>®</sup>

AN ISO/IEC 17025 AND IECCE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



### SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: [www.elandcables.com/company/about-us/esg-sustainability](https://www.elandcables.com/company/about-us/esg-sustainability)



### REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab<sup>®</sup>.





## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	CONDUCTOR TYPE	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
B2ZA04016BK	4	16	RM	18.8	320
B2ZA04025BK	4	25	RM	22.9	495
B2ZA04050BK	4	50	RM	27.5	740
B2ZA05016BK	5	16	RM	20.7	376
B2ZA05025BK	5	25	RM	25.6	644

## ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	CONDUCTOR TYPE	CURRENT CARRYING CAPACITY A		MAXIMUM CONDUCTOR RESISTANCE AT 20°C Ω/km
		IN AIR	IN GROUND	
16	RM	63	76	1.910
25	RM	82	102	1.200
50	RM	119	144	0.641

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.