



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 U₀/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

UKAS LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab[®], a UKAS accredited ISO 17025 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 ²	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 ²	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.