

N1XE-R/U Cable



Eland Product Group: B2Z

APPLICATION

The N1XE-R/U 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.

CHARACTERISTICS

Voltage Rating U_o/U
0.6/1kV

Temperature Rating

Minimum laying temperature: -20°C
Operating temperature: -50°C to +90°C
Maximum Conductor temperature: +90°C

Short Circuit Temperature

250°C

Minimum Bending Radius

12 x overall diameter

CONSTRUCTION

Conductor

Class 1 solid copper conductor
Class 2 stranded copper conductor

Insulation

XLPE (Cross-Linked Polyethylene)

Inner sheath

Extruded elastomere or plastomere compound

Outer Sheath

PE compound (Polyethylene) UV resistant

Core identification

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

Outer Sheath Colour

● Black ● Yellow

STANDARDS

EN 60228, HD 603 S1, SS 424 14 18

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
B2Z04010**	4	10	RE	17.5	588
B2Z04016**	4	16	RM	21.8	965
B2Z05010**	5	10	RE	18.8	698
B2Z05016**	5	16	RM	23.7	1115

** is for sheath colour - YW (Yellow) BK (Black)

ELECTRICAL CHARACTERISTICS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	CONDUCTOR TYPE	CURRENT CARRYING CAPACITY A		MAXIMUM CONDUCTOR RESISTANCE AT 20°C Ω/km
			IN AIR	IN GROUND	
4	10	RE	74	86	1.830
4	16	RM	98	112	1.150
5	10	RE	74	86	1.830
5	16	RM	98	112	1.150

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.