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ELAND[®]
CABLES

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 Uo/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

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECEE 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



SCIENCE
BASED
TARGETS

**BUSINESS
AMBIITION FOR 1.5°C**



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[®].





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.