ELAND® CABLES

YMz1Krvasdlwd 18/30kV Cable

Eland Product Group: B1E

APPLICATION

This cable is suitable for use in conduit and for fixed, protected installation. For installations where fire, smoke emission and toxic fume create a potential risk to life and equipment.

CHARACTERISTICS

Voltage Rating Uo/U
18/30kV

Temperature Rating
Maximum Conductor Short-Circuit Temp up to 5 sec: 250°C
Maximum Continuous Conductor Temp: 90°C

Minimum Bending Radius
15 x overall diameter

CONSTRUCTION

Conductor
Stranded Aluminium

Insulation
XLPE (Cross-Linked Polyethylene)

Screen
Copper wires and tape

Outer Sheath
LSZH (Low Smoke Zero Halogen)

Sheath Colour
Red

CABLE THIRD-PARTY ACCREDITATION

KEMA

Cables are tested and accredited by KEMA Laboratories in The Netherlands to KEMA K42C-1-5

STANDARDS

EN 60332-1-2,HD 620-1 0J/NEN 3620
Fire Resistant to NEN-EN 60332-3-24 Cat C

bsi.

UK 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.

UKAS TESTING 8578

bsi. ISO 9001 Quality Management FS 672069 | ISO 14001 Environmental Management EMS 672067 | OHSAS 18001 Occupational Health and Safety Management OHS 672066

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™.

bsi. RoHS Trusted KITEMARK™ KM 634267 | RoHS | CE | CPR COMPLIANT EN 50575

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	NOMINAL CROSS SECTIONAL AREA OF SCREEN mm²	NOMINAL THICKNESS OF INSULATION mm	NOMINAL THICKNESS OF SEMI-CONDUCTIVE LAYER mm		NOMINAL THICKNESS OF SHEATH mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
					Inner	Outer			
B1E30KV01630RD	1	630	35	8	0.5	0.4 (fully bonded)	2.7	58	4000

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm²	NOMINAL SHORT-CIRCUIT OF CONDUCTOR CURRENT FOR 1 SECOND kA	MAXIMUM CONDUCTOR DC RESISTANCE AT 20°C Ω/km	CONDUCTER AC RESISTANCE BY MAXIMUM TEMPERATURE Ω/km	CURRENT CARRYING CAPACITY A		CONDUCTOR LOSSES IN THE GROUND kW/km
				In Ground 20°C	In Air 35°C	
630	59.22	0.0469	0.0640	730	818	-