

YMz1Krvasdldw 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 U_o/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

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL CROSS SECTIONAL AREA OF SCREEN mm ²	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 mm ²	NOMINAL SHORT-CIRCUIT OF CONDUCTOR CURRENT FOR 1 SECOND kA	MAXIMUM CONDUCTOR DC RESISTANCE AT 20°C Ω/km	CONDUCTOR 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	-

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.

CABLE THIRD-PARTY ACCREDITATION

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

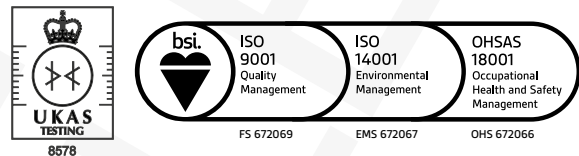
STANDARDS

EN 60332-1-2, HD 620-1 OJ/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.



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[™].

