

**ELAND<sup>®</sup>**  
**CABLES**

## YMz1Krvasdldw 12/20kV 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**  $U_0/U$   
12/20kV

**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**  
Class 2 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



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

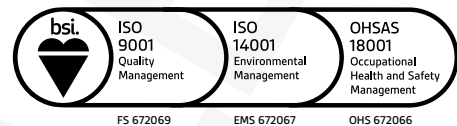
### STANDARDS

Generally to HD 620-10J / NEN 3620  
Fire Resistant to EN 60332-1-2, EN 60332-3-24 Cat.C



### UK LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab<sup>®</sup>, 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<sup>®</sup> as meeting the requirements of the BSI RoHS Trusted Kitemark<sup>™</sup>.



## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL CROSS SECTIONAL AREA OF SCREEN mm <sup>2</sup>	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			
B1E20KV01095RD	1	95	25	5.50	0.50	0.40 (Fully Bonded)	2.50	33	1250
B1E20KV01630RD	1	630	35	5.50	0.50	0.40 (Fully Bonded)	2.50	52	3500

## ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MAXIMUM CONDUCTOR DC RESISTANCE AT 20°C Ω/km	CONDUCTOR AC RESISTANCE BY MAXIMUM TEMPERATURE Ω/km	NOMINAL SHORT-CIRCUIT OF CONDUCTOR CURRENT FOR 1 SECOND kA	CURRENT CARRYING CAPACITY A		CONDUCTOR LOSSES IN THE GROUND kW/km
				In Ground 20°C	In Air 35°C	
95	0.320	0.412	8.93	282	328	32.8
630	0.0469	0.0640	59.22	684	880	-

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.