

## YMz1Krvasdldw 8.7/15kV Cable



Eland Product Group: B9X

### APPLICATION

LSZH Medium Voltage cable with copper conductors offering a lightweight alternative to aluminium conductor alternatives. 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<sub>o</sub>/U  
8.7/15kV

**Temperature Rating**

Fixed: 0°C to +90°C

Maximum Conductor Short-Circuit Temp up to 5 sec: 250°C

**Minimum Bending Radius**

15 x overall diameter

### CONSTRUCTION

**Conductor**

Class 2 Stranded Copper

**Inner Semi-Conductive Layer**

Semi-Conductive Material

**Insulation**

XLPE (Cross-Linked Polyethylene)

**Outer Semi-Conductive Layer**

Semi-Conductive Material

**Screen**

Copper wires and tape

**Tape**

Longitudinal and Radial Water Blocking

**Outer Sheath**

LSZH (Low Smoke Zero Halogen) UV Resistant

**Sheath Colour**

● Red

### STANDARDS

Generally to HD 620-10J / NEN 3620

Fire Resistant to IEC/EN 60332-1-2, IEC/EN 60332-3-24 Cat.C

### ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



8578



FS 672069



EMS 672067



OHS 672066

### REGULATORY COMPLIANCE

This cable meets the requirements of 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™.



KM 634287





## 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 DIAMETER OVER CONDUCTOR mm	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			
B9X15KV01050RD	1	50	25	8.10	4.50	0.50	0.40(fully bonded)	2.50	28	1250
B9X15KV01070RD	1	70	25	9.70	4.50	0.50	0.40(fully bonded)	2.50	29	1500
B9X15KV01095RD	1	95	25	11.40	4.50	0.50	0.40(fully bonded)	2.50	31	1800
B9X15KV01120RD	1	120	25	12.65	4.50	0.50	0.40(fully bonded)	2.50	32	2000
B9X15KV01150RD	1	150	25	14.40	4.50	0.50	0.40(fully bonded)	2.50	34	2300
B9X15KV01185RD	1	185	25	15.75	4.50	0.50	0.40(fully bonded)	2.50	35	2700
B9X15KV01240RD	1	240	25	18.20	4.50	0.50	0.40(fully bonded)	2.50	38	3300
B9X15KV01300RD	1	300	25	20.50	4.50	0.50	0.40(fully bonded)	2.50	40	4000
B9X15KV01400RD	1	400	50	23.00	4.50	0.50	0.40(fully bonded)	2.50	43	5000
B9X15KV01500RD	1	500	50	26.00	4.50	0.50	0.40(fully bonded)	2.50	47	6100
B9X15KV01630RD	1	630	50	29.70	4.50	0.50	0.40(fully bonded)	2.50	51	7400

## ELECTRICAL CHARACTERISTICS

### Single Core

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	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 30°C	
50	7.15	0.387	0.497	249	277	30.8
70	10.01	0.268	0.344	303	345	31.6
95	13.59	0.193	0.248	358	418	31.8
120	17.16	0.153	0.196	404	481	32.0
150	21.45	0.124	0.160	441	537	31.1
185	26.46	0.0991	0.128	493	612	31.1
240	34.32	0.0754	0.0980	563	716	31.1
300	42.90	0.0601	0.0800	626	811	31.4
400	57.20	0.0470	0.0640	676	901	29.2
500	71.50	0.0366	0.0510	743	1006	28.2
630	90.09	0.0283	0.0420	818	1045	-

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.