

# Aluminium XL-EVA LSZH 1kV Turbine Tower Cable



Eland Product Group: B9E

## APPLICATION

Single core lightweight aluminium conductor turbine power cable with durable halogen-free sheathing for installation inside turbine towers. UV, ozone, water & oil resistant.

## CHARACTERISTICS

**Rated Voltage U<sub>0</sub>/U**  
0.6/1kV

**Temperature Rating**  
-40°C +90°C

**Minimum Bending Radius**  
6x Overall Diameter

**Maximum Tensile Load**  
15N/mm<sup>2</sup>

## CONSTRUCTION

**Conductor**  
Class 2 stranded Aluminium

**Insulation**  
EPR (Ethylene Propylene Rubber)

**Screen**  
TWCB (Tinned wire copper braid)

**Sheath**  
XL-EVA (cross-linked Ethylene-Vinyl Acetate)

**Sheath Colour**  
● Black

## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTION AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
B9E01150BK	1	150	22.5	640
B9E01185BK	1	185	25.0	770
B9E01240BK	1	240	27.8	980
B9E01300BK	1	300	30.5	1210
B9E01400BK	1	400	35.5	1550

## STANDARDS

IEC 60502-1, IEC 60228

Flame retardant according to IEC 60332-1, IEC 60332-3  
Low Smoke Zero Halogen according to IEC 60754, IEC 61034

## 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 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™.



KM 634267

