

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 U₀/U
0.6/1kV

Temperature Rating
-40°C +90°C

Minimum Bending Radius
6x Overall Diameter

Maximum Tensile Load
15N/mm²

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 ²	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

THE CABLE LAB®

AN ISO/IEC 17025 AND IECCE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability



REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab®.

