

Aluminium HEPR/PO LSZH 1kV Turbine Power Cable



Eland Product Group: B9F

APPLICATION

Lightweight LSZH aluminium single core cables for the permanent routing of power inside wind turbine towers. Oil, ozone and UV Resistant.

CHARACTERISTICS

Rated Voltage U_o/U
0.6/1kV

Temperature Rating
-40°C +90°C
Short-circuit Temperature: 250°C

Minimum Bending Radius
4x Overall Diameter

CONSTRUCTION

Conductor
Class 2 stranded Aluminium

Insulation
HEPR (Hard Ethylene Propylene Rubber)

Inner Covering
Rubber compound

Outer Sheath
PO (Polyolefin) type HXM1

Sheath Colour
● Black

STANDARDS

IEC 60502-1, IEC 60228,

Flame retardant according to IEC 60332-1
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



SCIENCE
BASED
TARGETS

**BUSINESS
AMBITION FOR 1.5°C**



REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/85/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab[®].





DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTION AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/100m
B9F01050BK	1	50	13.0	266
B9F01070BK	1	70	15.0	352
B9F01095BK	1	95	16.5	450
B9F01120BK	1	120	18.0	556
B9F01150BK	1	150	20.0	686
B9F01185BK	1	185	22.5	842
B9F01240BK	1	240	26.0	1076
B9F01300BK	1	300	29.0	1299
B9F01400BK	1	400	32.5	1680
B9F03150BK	3	150	44.0	2756
B9F04150BK	4	150	49.0	3367