

# Torsion Resistant LSZH 1kV Turbine Power Cable



Eland Product Group: B9C

## APPLICATION

LSZH Power cable with increased tolerance to torsion application and offering oil, UV and ozone resistance. Specifically designed for torsion applications in wind turbines and suitable for transmit energy from the generator to the transformer.

## CHARACTERISTICS

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

**Temperature Rating**  
-40°C +90°C

**Minimum Bending Radius**  
6x Overall Diameter

**Torsion Resistance**  
± 144°/m

## CONSTRUCTION

**Conductor**  
Cass 5/Class 6 Stranded Tinned Copper

**Insulation**  
EPR (Ethylene Propylene Rubber)

**Sheath**  
HF-XLEVA (Halogen Free 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/100m
B9C03025BK	3	25	27.5	1500
B9C03035BK	3	35	31.0	1960
B9C03050BK	3	50	36.0	2640
B9C03070BK	3	70	40.5	3150
B9C03095BK	3	95	46.5	4575
B9C03120BK	3	120	50.5	5490
B9C04025BK	4	25	30.5	1870
B9C04035BK	4	35	34.5	2320
B9C04050BK	4	50	39.0	3100
B9C04070BK	4	70	43.5	4240
B9C04095BK	4	95	51.5	5716
B9C04120BK	4	120	56.0	6950

## STANDARDS

IEC 60502-1, IEC 60228, CSA C22.2

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

## THE CABLE LAB<sup>®</sup>

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](http://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<sup>®</sup>.

