

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 Uo/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 ²	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

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.



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™.

