ELAND® CABLES

EVA LSZH Torsion Resistant 1.8/3kV Turbine Cable

Eland Product Group: B9J

APPLICATION

3kV LSZH power cable for applications under torsional stresses. Specifically designed for wind turbines, for transmitting power from generator to transformer at the base of the tower.

CHARACTERISTICS

Rated Voltage Uo/U
1.8/3kV

Temperature Rating
-40°C +125°C

Minimum Bending Radius
6x Overall Diameter

Torsion Application
±180°/m

CONSTRUCTION

Conductor
Class 5/6 Flexible Stranded Tinned Copper

Insulation
EPR (Ethylene Propylene Rubber)

Outer Sheath
HF XL-EVA (Halogen Free Cross-linked Ethylene-Vinyl Acetate)

Sheath Colour
● Black

STANDARDS

IEC 60502, IEC 60228,

Flame retardant according to IEC 60332-3, CSA C22.2
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.

UKAS ISO/IEC 17025 Testing laboratory accreditation 8578
bsi. ISO 9001 Quality Management FS 672069
ISO 14001 Environmental Management EMS 672067
ISO 45001 Occupational Health and Safety Management 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™.

bsi. RoHS Trusted KITEMARK™ KM 634267
RoHS CE

DIMENSIONS

ELAND PART NUMBER	NUMBER OF CORES	NOMINAL CROSS SECTIONAL AREA SIZE mm²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
B9J01025BK	1	25	12.9	516
B9J01035BK	1	35	14.3	670
B9J01050BK	1	50	16.5	840
B9J01070BK	1	70	18.6	1112
B9J01095BK	1	95	21.6	1520
B9J01120BK	1	120	23.7	1880
B9J01150BK	1	150	26.2	2513
B9J01185BK	1	185	29.9	3272
B9J01240BK	1	240	32.1	3534
B9J01300BK	1	300	34.5	4020
B9J01400BK	1	400	39.3	5640