Torsion Resistant Loop Screened LSZH 1kV Turbine Cable

Eland Product Group: B9D

APPLICATION

Torsion resistant loop screened power cables are designed for special application conditions in wind turbines where under medium mechanical stress and for operation outdoors or under permanent influence of seawater. Oil, UV, Ozone resistant.

CHARACTERISTICS

Rated Voltage Uo/U
0.6/1kV

Temperature Rating
Fixed: -40°C +90°C
Flexed: -35°C +90°C

Minimum Bending Radius
Fixed: 4x Overall Diameter
Flexing: 6x Overall Diameter

Torsion Resistance
± 100°/m

Maximum Tensile Load
15N/mm² (in operation)

CONSTRUCTION

Conductor
Stranded bare copper

Insulation
EPR (Ethylene Propylene Rubber)

Screen
TWCB (Tinned wire copper braid)

Sheath
HF-EVA (Halogen Free Ethylene-Vinyl Acetate)

Sheath Colour
● Black

STANDARDS

IEC 60502-1, IEC 60228, EN 50363, HD 22.13,

Flame retardant according to IEC 60332-1
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 NO.	NO. OF CORES	NOMINAL CROSS SECTION AREA mm²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
B9D040015BK	4	1.5	10.0	150
B9D040040BK	4	4	13.5	300
B9D050025BK	5	2.5	15.0	300
B9D120015BK	12	1.5	16.0	400
B9D120025BK	12	2.5	23.0	620
B9D2500075BK	25	0.75	18.0	500
B9D250010BK	25	1	20.0	550
B9D320015BK	32	1.5	26.0	950
B9D420015BK	42	1.5	35.0	1700