Torsion Resistant LSZH 1kV Turbine Power Cable

Description

This is a 0.6-1kV multicore LSZH power cable. Specifically designed for wind turbines, for transmitting power between turbine generator and the transformer at the base of the tower. The cable is manufactured to meet the torsional stresses associated with wind turbines. The outer sheath is cross linked EVA and has excellent resistance to UV, Oils and ozone.

Key Features

Torsion Resistance
±144°/m

Voltage Rating
600/1000 Volts

Minimum Bending Radius
6 x overall diameter

Flame Retardancy
BS EN/IEC 60332-1
BS EN/IEC 60332-3

Temperature Limits
Temperature Range: -40°C to +90°C

Standards

- IEC 60502-1
- BS EN/IEC 60332-1
- BS EN/IEC 60228
- BS EN/IEC 61034
- BS EN/IEC 60754
- BS EN/IEC 60332-3

Construction

- **Conductor**: Class 5/6 Flexible Stranded Tinned Copper
- **Insulation**: Ethylene Propylene Rubber (EPR)
- **Outer Sheath**: Halogen Free Cross-linked Ethylene-Vinyl Acetate (HF XL-EVA)
- **Sheath Colour**: Black

QA Lab

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.

CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

Torsion Resistant LSZH 1kV Turbine Power Cable - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)
CU/EPR/HVXLEVA/1kV3X25	25	3	28.0	1510
CU/EPR/HVXLEVA/1kV4X25	25	4	31.0	1875
CU/EPR/HVXLEVA/1kV3X35	35	3	31.5	1975
CU/EPR/HVXLEVA/1kV4X35	35	4	35.0	2330
CU/EPR/HVXLEVA/1kV3X50	50	3	36.0	2650
CU/EPR/HVXLEVA/1kV4X50	50	4	39.5	3120
CU/EPR/HVXLEVA/1kV3X70	70	3	41.0	3165
CU/EPR/HVXLEVA/1kV4X70	70	4	44.0	4250
CU/EPR/HVXLEVA/1kV3X95	95	3	46.5	4585
CU/EPR/HVXLEVA/1kV4X95	95	4	52.0	5730
CU/EPR/HVXLEVA/1kV3X120	120	3	51.0	5500
CU/EPR/HVXLEVA/1kV4X120	120	4	56.0	6975