

## Torsion Resistant Loop Screened LSZH 1kV Turbine Cable



### Description

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 HF\_EVA sheath is Oil, UV, Ozone resistant.

### Key Features



**Torsion Resistance**  
±100°/m



**Voltage Rating**  
600/1000 Volts



**Minimum Bending Radius**  
Fixed: 4 x overall diameter  
Flexing: 6 x overall diameter



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



**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 50363
- BS EN/IEC 60754

### Construction

- **Conductor:** Class 5 flexible, stranded copper
- **Insulation:** Ethylene Propylene Rubber (EPR)
- **Armour:** Tinned copper wire braid (TCWB)
- **Outer Sheath:** Halogen Free Ethylene-Vinyl Acetate (HF-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

#### ecovadis

Torsion Resistant Loop Screened LSZH 1kV Turbine Cable - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)
1KVCUEPRWBHFEVA25X/75	0.75	25	22.8	525
1KVCUEPRWBHFEVA25X1	1	25	19.9	560
1KVCUEPRWBHFEVA4X1/5	1.5	4	9.8	155
1KVCUEPRWBHFEVA12X1/5	1.5	12	15.8	415
1KVCUEPRWBHFEVA32X1/5	1.5	32	27.0	950
1KVCUEPRWBHFEVA42X1/5	1.5	42	35.5	1725
1KVCUEPRWBHFEVA5X2/5	2.5	5	15.0	320
1KVCUEPRWBHFEVA12X2/5	2.5	12	16.2	625
1KVCUEPRWBHFEVA4X4	4	4	13.4	310

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.

