

### CONTACT

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Halogenfree, shielded control cables LiHCH

### STANDARDS

Product Nexans specification

#### Application

The cable WINDLINK® Control LSOH shielded was specifically designed for wind turbines. These cable is used where high flexibility, torsion- and oil-resistance are required. It is therefore a suitable connection for electrical equipments.

#### Product characteristics

- Suitable for torsion up to  $\pm 150^\circ /m$  (from  $-20^\circ C$  up to  $50^\circ C$ )
- Vibration resistant
- Low smoke according to IEC 61034-2
- Flame retardant according to IEC 60332-1
- Oil resistant according to EN 60811-2-1 and special oils used in wind turbines
- Halogen free according to IEC 60754
- UV resistant according to IEC 60068-2-5
- Ozone resistant according to EN 60811-2-1 clause 8



额定电压U<sub>0</sub>/U  
300 / 500 V



气体腐蚀性  
低 IEC 60754-2



阻燃  
IEC 60332-1-2



烟密度  
IEC 61034-2



耐油  
EN 60811-2-1



抗UV  
IEC 60068-2-5



芯线最高静止温度  
- ° C



环境动态工作温度, 范围  
-30 ... 80 ° C

## CHARACTERISTICS

## 结构特性

结构类型	10 x 1.0
导体材料	Bare copper class 5
绝缘	无卤复合物
绝缘色	Black numbered
屏蔽	Tinned copper braid, coverage $\geq$ 80%
外护套	无卤复合物
护套颜色	Black - RAL 9005

## 尺寸特性

芯线数	10
导线截面	1 mm <sup>2</sup>
导体直径 (mm)	
绝缘厚度	- mm
Nominal outer sheath thickness	- mm
编织外径	8.8 mm
最小线缆直径	- mm
最大线缆直径	- mm
标称外径	10.7 inches
近似重量	- kg/km
铜含量	78 kg/km

## 电气特性

20° C时导体的最大直流电阻	19.5 Ohm/km
Max. Electrical Resistance AC 60Hz 70° C	- Ohm/km
Max. Electrical Resistance AC 60Hz 90° C	- Ohm/km
感抗	- Ohm/km
Insulation resistance at 20° C	100 MOhm.km
Operating capacitances	- mF/km
允许通过的短路电流	- kA
额定电压U <sub>0</sub> /U	300 / 500 V
测试电压	1500 V
转移阻抗	10
露天允许通过的额定电流	- A

## 机械特性

Torsion stress	100 ° /m
最大抗拉强度	- N/mm <sup>2</sup>

## 使用特性

气体腐蚀性	低 IEC 60754-2
阻燃	IEC 60332-1-2
烟密度	IEC 61034-2
耐油	EN 60811-2-1
抗UV	IEC 60068-2-5
Ozone resistance	EN 60811-2-1
芯线最高静止温度	- ° C

## 使用特性

短路最高线芯温度	- ° C
环境安装温度	- ° C
环境动态工作温度, 范围	-30 ... 80 ° C
环境静态工作温度, 范围	-40 ... 80 ° C
Minimum bending radius, occasionally moving	20 (xD)
最小弯曲半径 - 固定安装	10 (xD)