

### CONTACT

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Halogenfree, shielded data transmission cables LiHCH / LiHCH (TP)

### STANDARDS

Product Nexans specification

#### Application

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

#### 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 60332-1-2
- 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



阻燃 - 火焰  
IEC 60332-1-2



气体腐蚀性  
IEC 60754-1; IEC  
60754-2; EN  
50525-1 Annex C



烟密度  
IEC 61034-2



耐油  
IEC 60811-2-1



抗UV  
IEC 60068-2-5



芯线最高静止温度  
 $-^\circ$  C



操作温度  
 $-40 \dots 90^\circ$  C



环境动态工作温度, 范围  
 $-30 \dots 80^\circ$  C

## CHARACTERISTICS

## 结构特性

结构类型	15 G 1.5
导体材料	Bare copper class 5
绝缘	无卤复合物
绞合	Please request detailed data sheet
绝缘色	Black w. number + yellow/green
屏蔽	Tinned copper braid, coverage $\geq 65\%$
外护套	无卤复合物
护套颜色	Black – RAL 9005

## 尺寸特性

芯线数	15
导线截面	1.5 mm <sup>2</sup>
导体直径 (mm)	–
绝缘厚度	– mm
编织外径	– mm
Nominal outer sheath thickness	– mm
最小线缆直径	– mm
最大线缆直径	– mm
标称外径	13.7 mm
近似重量	368 kg/km
铜含量	– kg/km

## 电气特性

20° C时导体的最大直流电阻	– Ohm/km
Max. Electrical Resistance AC 60Hz 70° C	– Ohm/km
Max. Electrical Resistance AC 60Hz 90° C	– Ohm/km
感抗	– Ohm/km
Operating capacitances	– mF/km
允许通过的短路电流	– kA
Maximum operating voltage	–
Nominal Voltage	250 V
测试电压	1500 V
转移阻抗	25
露天允许通过的额定电流	– A

## 机械特性

Mechanical stress	15 N/mm <sup>2</sup>
Torsion stress	150 ° /m
最大抗拉强度	– N/mm <sup>2</sup>

## 使用特性

阻燃 – 火焰	IEC 60332-1-2
气体腐蚀性	IEC 60754-1; IEC 60754-2; EN 50525-1 Anx C
烟密度	IEC 61034-2
耐油	IEC 60811-2-1
抗UV	IEC 60068-2-5

## 使用特性

Ozone resistance	IEC 60811-100 & IEC 60811-403
芯线最高静止温度	- ° C
短路最高线芯温度	- ° C
环境安装温度	- ° C
操作温度范围	-40 ... 90 ° 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	6 (xD)
最小弯曲半径 - 固定安装	4 (xD)

## SELLING AND DELIVERY INFORMATION

Marking e. g.

NEXANS INTERCOND - Week/Year of production - WINDLINK LiHCH n x yy mm<sup>2</sup>

n: number of conductors

yy: section of conductor

Meter marking