

CONTACT

Market information
industryprojects.business@lyn
xeogroup.com

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
- °C



操作温度
-40 ... 90 °C



环境动态工作温度, 范围
-30 ... 80 °C

CHARACTERISTICS

结构特性

结构类型	4x0, 25
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	DIN 47100
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	4
导线截面	0.25 mm ²
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	5.0 mm
近似重量	36 kg/km
铜含量	19.5 kg/km

电气特性

20° C时导体的最大直流电阻	- 0hm/km
Max. Electrical Resistance AC 60Hz 70° C	- 0hm/km
Max. Electrical Resistance AC 60Hz 90° C	- 0hm/km
感抗	- 0hm/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 ²
Torsion stress	150 ° /m
最大抗拉强度	- N/mm ²

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 mm²

n: number of conductors

yy: section of conductor

Meter marking