

**CONTACT**

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

**STANDARDS**

Product

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



IEC 60332 - 1 - 2



Gases corrosivity  
IEC 60754 - 1; IEC  
60754 - 2; EN  
50525 - 1 Anx C



IEC 61034 - 2



Oil resistance  
IEC 60811 - 2 - 1



U.V resistance  
IEC 60068 - 2 - 5



Max. conductor  
temp.in service  
- °C



Operating temp.  
-40 ... 90 °C



Ambient dynamic  
operating  
temperature,  
range  
-30 ... 80 °C

## CHARACTERISTICS

	5 x 1.0
	Bare copper class 5
Lay Up	Please request detailed data sheet
Insulation colour	DIN 47100
	Tinned copper braid, coverage 65%
Sheath colour	Black - RAL 9005
	5
	1 mm <sup>2</sup>
Conductor diameter (mm)	-
Insulation sheath thickness	- mm
Diameter over braid	- mm
Nominal outer sheath thickness	- mm
Minimum cable diameter	- mm
Maximum cable diameter	- mm
Nominal outer diameter	8.4 mm
( )	111 kg/km
Copper content	- kg/km
20 ° C DC	- Ohm/km
Max. Electrical Resistance AC 60Hz 70 ° C	- Ohm/km
Max. Electrical Resistance AC 60Hz 90 ° C	- Ohm/km
Inductive reactance	- Ohm/km
Operating capacitances	- mF/km
Permissible short circuit current	- kA
Maximum operating voltage	-
Nominal Voltage	250 V
	1500 V
Transfer impedance	25
Permissible current rating in open air	- A
Mechanical stress	15 N/mm <sup>2</sup>
Torsion stress	150 ° /m
Maximum tensile strength	- N/mm <sup>2</sup>
	IEC 60332 - 1 - 2
Gases corrosivity	IEC 60754 - 1; IEC 60754 - 2; EN 50525 - 1 Anx C
	IEC 61034 - 2
Oil resistance	IEC 60811 - 2 - 1
U.V resistance	IEC 60068 - 2 - 5
Ozone resistance	IEC 60811 - 100 & IEC 60811 - 403
Max. conductor temperature in service	- ° C
Short - circuit max. conductor temperature	- ° C

Ambient installation temperature	- ° C
操作度范	- 40 ... 90 ° C
Ambient dynamic operating temperature, range	- 30 ... 80 ° C
Ambient static operating temperature, range	- 40 ... 80 ° C
Minimum bending radius, occasionally moving	6 (xD)
Minimum bending radius, fixed installation	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