

CONTACT

Market information
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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

		3 x 2 x 0.50
		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
		6
		0.5 mm ²
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		8.8 mm
()		107 kg/km
Copper content		56 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 ²
Torsion stress		150 ° /m
Maximum tensile strength		- N/mm ²
		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 mm²

n: number of conductors

yy: section of conductor

Meter marking