

CONTACT

Market information
 industryprojects.business@lynxéogroup.com

Halogenfree, shielded control cables LiHCH

STANDARDS

Product

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



Uo/U
(Um)
300/500 V



Gases corrosivity
IEC 60754 - 2



Fire retardant
IEC 60332 - 1 - 2



Oil resistance
EN 60811 - 2 - 1



IEC 61034 - 2



U.V resistance
IEC 60068 - 2 - 5



Max. conductor
temp. in service
 $^\circ C$






Ambient dynamic
operating
temperature,
range
 $-30 \dots 80^\circ C$

CHARACTERISTICS

	Bare copper class 5
	Tinned copper braid, coverage 80%
Sheath colour	Black - RAL 9005
Conductor diameter (mm)	
Insulation sheath thickness	mm
Nominal outer sheath thickness	mm
Minimum cable diameter	mm
Maximum cable diameter	mm
()	kg/km
Max. Electrical Resistance AC 60Hz 70 ° C	- Ohm/km
Max. Electrical Resistance AC 60Hz 90 ° C	- Ohm/km
Inductive reactance	Ohm/km
Insulation resistance at 20 ° C	100 MOhm.km
Operating capacitances	- mF/km
Permissible short circuit current	kA
U _o /U (U _m)	300/500 V 1500 V
Transfer impedance	10
Permissible current rating in open air	A
Torsion stress	100 ° /m
Maximum tensile strength	N/mm ²
Gases corrosivity	IEC 60754 - 2
Fire retardant	IEC 60332 - 1 - 2
Oil resistance	EN 60811 - 2 - 1 IEC 61034 - 2
U.V resistance	IEC 60068 - 2 - 5
Ozone resistance	EN 60811 - 2 - 1
Max. conductor temperature in service	° C
Short - circuit max. conductor temperature	° C
Ambient installation temperature	- ° C
Ambient dynamic operating temperature, range	- 30 ... 80 ° C
Ambient static operating temperature, range	- 40 ... 80 ° C

PRODUCT LIST

Reference	Country Ref.	Name	Nominal diameter [inches]
	-	LiHCH 3G6	3G6 12.1

 = Make to order,  = In stock,

Reference	Country Ref.	Name	Nominal diameter [inches]	
☎	-	LiHCH 2x0,75	2 x 0.75	6
☎	-	LiHCH 4x0,75	4 x 0.75	6.9
☎	-	LiHCH 6x1,0	6 x 1.0	8.5
☎	-	LiHCH 7x1,0	7 x 1.0	8.5
☎	-	LiHCH 10x1,0	10 x 1.0	10.7
☎	-	LiHCH 12G1,0	12 G 1.0	11.1
☎	-	LiHCH 2x1,5	2x1,5	7.1
☎	-	LiHCH 3G1,5	3G1,5	7.4
☎	-	LiHCH 4G1,5	4G1,5	8.2
☎	-	LiHCH 12x1,5	12 x 1.5	13
☎	-	LiHCH 5G2,5	5G2,5	10.9
☎	-	LiHCH 7x0,25	7x0,25	6
☎	-	LiHCH 16x0,34	16x0,34	9.3
☎	-	LiHCH 3x2x0,34	3 x 2 x 0.34	7.6
☎	-	LiHCH 4x2x0,34	4 x 2 x 0.34	8.2
☎	-	LiHCH 6x2x0,34	6 x 2 x 0.34	9.5
☎	-	LiHCH 2x0,50	2x0,50	5.6
☎	-	LiHCH 4x0.50	7x0,25	6.4
☎	-	LiHCH 3x2x0,50	3 x 2 x 0.50	8.4
☎	-	LiHCH 3G0,75	3G0,75	6.3

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