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Halogenfree, shielded control cables LiHCH

STANDARDS

Product Nexans specification

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



额定电压U₀/U
300 / 500 V



气体腐蚀性
低 IEC 60754-2



阻燃
IEC 60332-1-2



烟密度
IEC 61034-2



耐油
EN 60811-2-1



抗UV
IEC 60068-2-5



芯线最高静止温度
- ° C



环境动态工作温度, 范围
-30 ... 80 ° C

CHARACTERISTICS

结构特性

结构类型	12 G 1.0
导体材料	Bare copper class 5
绝缘	无卤复合物
绝缘色	Black w. number + yellow/green
屏蔽	Tinned copper braid, coverage $\geq 80\%$
外护套	无卤复合物
护套颜色	Black - RAL 9005

尺寸特性

芯线数	12
导线截面	1 mm ²
导体直径 (mm)	
绝缘厚度	- mm
Nominal outer sheath thickness	- mm
编织外径	9.1 mm
最小线缆直径	- mm
最大线缆直径	- mm
标称外径	11.1 inches
近似重量	- kg/km
铜含量	98 kg/km

电气特性

20° C时导体的最大直流电阻	19.5 Ohm/km
Max. Electrical Resistance AC 60Hz 70° C	- Ohm/km
Max. Electrical Resistance AC 60Hz 90° C	- Ohm/km
感抗	- Ohm/km
Insulation resistance at 20° C	100 MOhm.km
Operating capacitances	- mF/km
允许通过的短路电流	- kA
额定电压U ₀ /U	300 / 500 V
测试电压	1500 V
转移阻抗	10
露天允许通过的额定电流	- A

机械特性

Torsion stress	100 ° /m
最大抗拉强度	- N/mm ²

使用特性

气体腐蚀性	低 IEC 60754-2
阻燃	IEC 60332-1-2
烟密度	IEC 61034-2
耐油	EN 60811-2-1
抗UV	IEC 60068-2-5
Ozone resistance	EN 60811-2-1
芯线最高静止温度	- ° C

使用特性

短路最高线芯温度	- ° C
环境安装温度	- ° 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	20 (xD)
最小弯曲半径 - 固定安装	10 (xD)