WINDLINK® Data LiHCH LSOH Shielded

CONTACT

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

STANDARDS

Producto Especificaciones Nexans

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 ± 150°/m (from -20°C up to 50°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


No propagación de la llama
IEC 60332-1-2


Corrosividad de los gases
IEC 60754-1; IEC 60754-2; EN 50525-1 Anx C


Densidad de los humos
IEC 61034-2


Resistencia a aceites
IEC 60811-2-1


Resistencia a radiaciones ultravioletas
IEC 60068-2-5


Max.conductor temp.in service
- °C


Temp. ambiente de utilización
-40 ... 90 °C


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

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CHARACTERISTICS

Características de construcción	
Material del conductor	Bare copper class 5
Aislamiento	Compuesto Libre de Halógeno
Formación	Please request detailed data sheet
Pantalla	Tinned copper braid, coverage ≥ 65%
Cubierta exterior	Halogen free compound
Color de cubierta	Black - RAL 9005
Características dimensionales	
diámetro del conductor (mm)	-
Insulation sheath thickness	- mm
Diameter over braid	- mm
Nominal outer sheath thickness	- mm
Minimum cable diameter	- mm
Maximum cable diameter	- mm
Características eléctricas	
Resistencia máxima del conductor en CC a 20º C	- 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
Test voltage	1500 V
Impedancia de transferencia	25
Intensidad admisible al aire libre	- A
Características mecánicas	
Mechanical stress	15 N/mm2
Torsion stress	150 °/m
Maximum tensile strength	- N/mm2
Características de uso	
No propagación de la llama	IEC 60332-1-2
Corrosividad de los gases	IEC 60754-1; IEC 60754-2; EN 50525-1 Anx C
Densidad de los humos	IEC 61034-2
Resistencia a aceites	IEC 60811-2-1
Resistencia a radiaciones ultravioletas	IEC 60068-2-5
Resistancia al ozono	IEC 60811-100 & IEC 60811-403
Temperatura máxima del conductor	- °C
Temperatura máxima del conductor en corto-circuito	- °C
Ambient installation temperature	- °C
Temperatura ambiente de utilización (rango)	-40 ... 90 °C
Ambient dynamic operating temperature, range	-30 ... 80 °C
Ambient static operating temperature, range	-40 ... 80 °C

Características de uso	
Minimum bending radius, occasionally moving	6 (xD)
Minimum bending radius, fixed installation	4 (xD)

PRODUCT LIST

Construction type	Diám. nom. exterior [mm]
2 x 0.50	5,7
2 x 1.0	6,3
2 x 1.5	7,1
2 x 2 x 0.25	6,3
2 x 2 x 0.25	13,4
2 x 2.5	7,8
3 G 1.0	6,6
3 G 1.5	7,4
3 G 2.5	8,5
3 x 0.25	4,6
3 x 0.75	6,4
3 x 1.0	6,6
3 x 1.5	7,4
3 x 2 x 0.50	8,8
4 G 1.0	7,2
4 G 1.5	8,2
4 x 1.0	7,2
4 x 2 x 0.50	9,3
4 x 2.5	9,4
4x0,25	5,0
5 G 1.5	9,6
5 x 0.75	7,5
5 x 1.0	8,4
5 x 1.0	12,1
6 x 0.25	6,0
7 G 1.0	8,5
7 G 1.5	10,1
7 G 2.5	11,2
7 x 1.0	8,5
7 x 1.5	10,1
12 G 1.0	11,3
12 G 1.5	13,0
12 x 0.25	7,6
12 x 1.0	11,3
15 G 1.5	13,7
15 G 2.5	19,8
15 x 0.50	10,4
18 G 1.5	15,1
25 x 0.50	13,7
32 x 0.25	11,3
32 x 0.25	12,0

Construction type	Diám. nom. exterior [mm]
32 x 1.0	17,7
50 x 0.50	-
50x1,0	22,4

PRODUCT LIST

Reference	Country Ref.	Name	Construction type	Diámetro exterior nominal [mm]
	-	LiHCH 3x0.25	3 x 0.25	4,6
	-	LiHCH 4x0.25	4x0,25	5,0
	-	LiHCH 6x0.25	6 x 0.25	6,0
	-	LiHCH 12x0.25	12 x 0.25	7,6
	-	LiHCH 32x0.25	32 x 0.25	11,3
	-	LiHCH (TP) 2x2x0.25	2 x 2 x 0.25	6,3
	-	LiHCH 15x0.50	15 x 0.50	10,4
	-	LiHCH 25x0.50	25 x 0.50	13,7
	-	LiHCH 50x0.50	50 x 0.50	-
	-	LiHCH (TP) 3x2x0.50	3 x 2 x 0.50	8,8
	-	LiHCH (TP) 4x2x0.50	4 x 2 x 0.50	9,3
	-	LiHCH 5x0.75	5 x 0.75	7,5
	-	LiHCH 36x0.25	32 x 0.25	12,0
	-	LiHCH (TP) 19x2x0.25	2 x 2 x 0.25	13,4
	-	LiHCH 2x0.50	2 x 0.50	5,7
	-	LiHCH 3x0.75	3 x 0.75	6,4
	-	LiHCH 2x1.0	2 x 1.0	6,3
	-	LiHCH 3x1.0	3 x 1.0	6,6
	-	LiHCH 3G1.0	3 G 1.0	6,6
	-	LiHCH 4x1.0	4 x 1.0	7,2
	-	LiHCH 4G1.0	4 G 1.0	7,2
	-	LiHCH 5x1.0	5 x 1.0	8,4
	-	LiHCH 7x1.0	7 x 1.0	8,5
	-	LiHCH 7G1.0	7 G 1.0	8,5
	-	LiHCH 12x1.0	12 x 1.0	11,3
	-	LiHCH 12G1.0	12 G 1.0	11,3
	-	LiHCH 32x1.0	32 x 1.0	17,7
	-	LiHCH 50x1.0	50x1,0	22,4
	-	LiHCH 5x2x1.0	5 x 1.0	12,1
	-	LiHCH 2x1.5	2 x 1.5	7,1
	-	LiHCH 3x1.5	3 x 1.5	7,4
	-	LiHCH 3G1.5	3 G 1.5	7,4
	-	LiHCH 4G1.5	4 G 1.5	8,2

= Make to order, = In stock,

Reference	Country Ref.	Name	Construction type	Diámetro exterior nominal [mm]
	-	LiHCH 5G1.5	5 G 1.5	9,6
	-	LiHCH 7x1.5	7 x 1.5	10,1
	-	LiHCH 7G1.5	7 G 1.5	10,1
	-	LiHCH 12G1.5	12 G 1.5	13,0
	-	LiHCH 15G1.5	15 G 1.5	13,7
	-	LiHCH 18G1.5	18 G 1.5	15,1
	-	LiHCH 2x2.5	2 x 2.5	7,8
	-	LiHCH 3G2.5	3 G 2.5	8,5
	-	LiHCH 4x2.5	4 x 2.5	9,4
	-	LiHCH 7G2.5	7 G 2.5	11,2
	-	LiHCH 15G2.5	15 G 2.5	19,8

= Make to order, = In stock,

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