

CONTACT

Market information
industryprojects.business@lynxéogroup.com

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 $\pm 150^\circ/m$ (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

CHARACTERISTICS**Características de construcción**

| | |
|------------------------|-------------------------------------|
| Construction type | 7 G 1.0 |
| Material del conductor | Bare copper class 5 |
| Aislamiento | Compuesto Libre de Halógeno |
| Formación | Please request detailed data sheet |
| Insulation colour | Black w. number + yellow/green |
| Pantalla | Tinned copper braid, coverage ≥ 65% |
| Cubierta exterior | Halogen free compound |
| Color de cubierta | Black - RAL 9005 |

Características dimensionales

| | |
|--------------------------------|-------------------|
| Número de conductores | 7 |
| Sección del conductor | 1 mm ² |
| 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 |
| Diámetro exterior nominal | 8,5 mm |
| Peso aproximado | 143 kg/km |
| Contenido de cobre | - kg/km |

Características eléctricas

| | |
|--|----------|
| Resistencia máxima del conductor en CC a 20° 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/mm ² |
| Torsion stress | 150 °/m |
| Maximum tensile strength | - N/mm ² |

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 |

Características de uso

| | |
|--|-------------------------------|
| Resistencia 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 |
| 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