



**Reference:** 71320707

## CONTACT

Market information  
industryprojects.business@lynxéo  
ogroup.com

**Torsion resistant low-voltage cable for free hanging of max. 100 m**

## STANDARDS

**Product** EN 50363; HD 22-13; IEC 60228; IEC 60502

## APPLICATIONS

Low-voltage loop cable WINDLINK LV-RS (N)HXCSLOE was developed for special application condition in wind turbines. The construction is torsion resistant by free hanging of max.100 m. These cables are specified for medium mechanical stress and for operation under permanent influence of sea water and usage outdoor.

Resistance to

- permanent movement
- permanent vibrations
- compressive stress
- oil, EN60811-2-1, ASTM No.2, 24 h at 100 °C
- low smoke, IEC 61034, >50 %
- halogen-free IEC 60754
- permanent influence of seawater
- ozone influence, EN 60811-2-1 clause 8
- suitable for torsion of max. 6 counterclockwise rotations and min. free hanging up from 25 m

## Design

**Core**

**Conductor**

- Copper, plain, flexible concentrically stranded circular

**Insulation**

- Extruded halogen-free rubber compound EI8 acc. to EN 50363-5

**Screen**

- Tinned wire copper braid, covering min. 80 %

**Outer Sheath**

- Extruded halogen-free EVA compound EM8 acc. to EN 50363-6

## CHARACTERISTICS

### Construction characteristics

Conductor material	Plain annealed copper
Conductor flexibility	Flexible class 5
Insulation	Halogen free compound
Outer sheath	Rubber compound
Sheath colour	Black
Halogen free	IEC 60754-2
Overall screen	-
With Green/Yellow core	Yes

### Dimensional characteristics

Number of cores	5
Conductor cross-section	2.5 mm <sup>2</sup>
Copper content	0 kg/km
Nominal outer diameter	15.0 mm
Approximate weight	300 kg/km

### Electrical characteristics

Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	0,6/1 kV
---	----------

### Usage characteristics

Flame retardant	EN 50265-2-1
Silicone free	Yes
RoHS compliant	-
Max. conductor temperature in service	- °C
Weather resistance	-
Short-circuit max. conductor temperature	- °C

## SELLING AND DELIVERY INFORMATION

Inkjet marking e.g.: WINDLINK LV-RS (N)HXCSLOE 0.6/1 kV | NEXANS I