



### CONTACT

Market information  
industryprojects.business@lynx<sup>eo</sup>  
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)HXSLOE was developed for special application conditions 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, 24h at 100°C
- low smoke, IEC 61034, >50 %
- halogen-free IEC 60754
- permanent influence of sea water
- 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

#### Outer Sheath

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



Conductor flexibility  
**Flexible class 5**



Halogen free  
**IEC 60754-2**



Rated Voltage U<sub>o</sub>/U  
(Um)  
**0,6/1 kV**



Flame retardant  
**EN 50265-2-1**



RoHS compliant  
**Yes**



Max. conductor temp. in  
service  
**90 °C**



Weather resistance  
**Excellent**

## CHARACTERISTICS

### Construction characteristics

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

### Dimensional characteristics

Number of cores	42
Conductor cross-section	1.5 mm <sup>2</sup>
Copper content	0 kg/km
Nominal outer diameter	35.0 mm
Approximate weight	1700 kg/km

### Electrical characteristics

Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	0,6/1 kV
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### Usage characteristics

Flame retardant	EN 50265-2-1
Silicone free	Yes
RoHS compliant	Yes
Max. conductor temperature in service	90 °C
Weather resistance	Excellent
Short-circuit max. conductor temperature	250 °C

## SELLING AND DELIVERY INFORMATION

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