



CONTACT

Market information
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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 Uo/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	25
Conductor cross-section	1 mm ²
Copper content	0 kg/km
Nominal outer diameter	20.0 mm
Approximate weight	550 kg/km

Electrical characteristics

Rated Voltage U ₀ /U (U _m)	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 | NEXANS I