



CONTACT

Market information
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Torsion resistant low-voltage loop cable for free hanging of max. 100 m

Design acc. to EN 50525-2-21

STANDARDS

Product EN 50264; EN 50363; IEC 60502

Application

Low-voltage trailing cable RHEYWIND LV-RS (N)HXMFOE in two sheath design was developed for special application condition in windmills. The construction is torsion resistance by free hanging max. 100 m. These cables are specified for medium mechanical stress and for operation under permanent influence of seawater and usage outdoor.

Resistance against:

- permanent movement
- permanent vibrations
- compressive stress
- oil
- leach
- flame-retardant
- temporary influence of seawater
- weather
- UV
- Ozone influence, suitable for moving outdoor
- suitable for torsion of max. 6 counterclockwise rotations and min. free hanging up from 25 m

Design

Conductor

Copper, plain, flexible stranded, class 5 acc. to DIN EN 60228

Insulation

Elastomeric special compound

Outer Sheath

Elastomeric special compound:

- HM3 acc. EN 50361, based on: EVA
- water and oil resistant, flame retardant, abrasion and notch-resistant
- colour: black

Operating condition



Conductor flexibility
Flexible class 5



Halogen free
IEC 60754-2

Temperatures	moved transport and stock operating temperature at conductor short circuit temperature at conductor	-40/+ 90 °C -40/+90 °C 90 °C 250°C
Max. tensile load	short time, e.g. speed up N/mm ² in operation	50 15
Bending radii 0.6/ 1 (1.2) kV	Flame retardant EN 60332-1 free moving Inlet ant strain relief	Bending factor installed 3 (xD) Bending factor when 3 x D 3 x D 3 x D (D = cable diameter)
Torsion	max. permissible angle	± 150 °/m

CHARACTERISTICS

Construction characteristics

Conductor material	Plain annealed copper
Conductor flexibility	Flexible class 5
Insulation	Halogen free compound
Outer sheath	Special cross-linked elastomer
Halogen free	IEC 60754-2
Sheath colour	Black

Dimensional characteristics

Number of cores	1
Conductor cross-section	- mm ²
Minimum outer diameter	- mm
Maximum outer diameter	- mm
Approximate weight	- kg/km

Electrical characteristics

Rated Voltage U ₀ /U (U _m)	0.6/ 1 (1.2) kV
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Usage characteristics

Flame retardant	EN 60332-1-2
RoHS compliant	Yes
Silicone free	Yes
Bending factor when installed	3 (xD)
Bending factor when laying	5 (xD)

SELLING AND DELIVERY INFORMATION

Inkjet Markierung WINDLINK® LV-RS (N)HXMFOE 1x95 0.6/1 kV | NEXANS I



Conductor flexibility
Flexible class 5



Halogen free
IEC 60754-2



Rated Voltage U₀/U (U_m)
0.6/ 1 (1.2) kV



Flame retardant
EN 60332-1-2



RoHS compliant
Yes



Bending factor installed
3 (xD)



Bending factor when laying
5 (xD)