WINDLINK® LV-RS (N)HXCMFOE 0.6/1 kV



CONTACT

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

Screeened cables acc. to EN 50525-2-21 and EN 50125-3-21

STANDARDS

Product EN 50525-2-21; EN 50264; EN 50363; IEC 60502

Application

Low-voltage loop cable WINDLINK® LV-RS (N)HXCMFOE in two sheath design was developed for special application condition in windturbines. The construction is torsion resistant 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 to:

- Permanent movement
- Permanent vibrations
- Compressive stress
- Oil
- Leach
- Flame-retardant
- Permanent influence of seawater
- Weather
- UV
- Ozone influence, suitable for moving outdoor
- Suitable for torsion up to +/- 80°/meter, test 2,000 cycles

Design

1. **Conductor**
   Copper, plain, flexible stranded, class 5 acc. to DIN EN 60228
2. **Insulation**
   Special EPR thermosetting compound
3. **Screen**
   Tinned wire copper braid, covering min.80%
4. **Outer Sheath**
   Special EVA thermosetting compound, ozone- and UV-resistant, oil-resistant, colour: black

Operating condition

Temperatures	moved transport and stock operating temperature at conductor short circuit teperature at conductor	-40+ 90 °C -40/+90 °C 90 °C 250°C
Max. tensile load	short time, e.g.speed up N/mm² in operation	50 15
Bending radii	fixed free moving Inlet ant strain relief	³ 3 x D ³ 5 x D ³ 5 x D (D = cable diameter)
Torsion	max. permissible angle	± 80 °/m

Conductor flexibility
Flexible class 5

Halogen free
IEC 60754-2

Rated Voltage Uo/U (Um)
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)

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Lynxeo is indicative only and shall not be binding on Lynxeo or be treated as constituting a representation on the part of Lynxeo.

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CHARACTERISTICS

Construction characteristics	
Conductor material	Plain annealed copper
Conductor flexibility	Flexible class 5
Insulation	Halogen free compound
Screen	Tinned copper
Outer sheath	Special cross-linked elastomer
Halogen free	IEC 60754-2
Sheath colour	Black
Dimensional characteristics	
Number of cores	1
Electrical characteristics	
Rated Voltage Uo/U (Um)	0.6/ 1 (1.2) kV
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)

PRODUCT LIST

Reference	Country Ref.	Name	Conductor cross-section [mm²]	Minimum outer diameter [mm]	Maximum outer diameter [mm]
	-	1x95 RF	95	20.8	21.8
	-	1x120 RF	120	22.7	24.7
	-	1x150 RF	150	25.2	27.2
	-	1x300 RF	300	33.5	35.5
	-	1x185 RF	185	27.9	30.9
	-	1x240 RF	240	31.1	33.1

= Make to order, = In stock,


Conductor flexibility
Flexible class 5



Halogen free
IEC 60754-2


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EN 60332-1-2



RoHS compliant
Yes


Bending factor installed
3 (xD)


Bending factor when laying
5 (xD)

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SELLING AND DELIVERY INFORMATION

Inkjet marking e.g.: WINDLINK® LV-RS (N)HXMCFOE 1x95 0.6/1 kV I NEXANS I


Conductor flexibility
Flexible class 5



Halogen free
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Flame retardant
EN 60332-1-2



RoHS compliant
Yes



Bending factor installed
3 (xD)



Bending factor when laying
5 (xD)

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