# 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<br>transport and stock<br>operating temperature at conductor<br>short circuit teperature at conductor | -40+ 90 °C<br>-40/+90 °C<br>90 °C<br>250°C |
| Max. tensile load | short time, e.g.speed up<br>N/mm² in operation | 50<br>15 |
| Bending radii | fixed<br>free moving<br>Inlet ant strain relief | ³ 3 x D<br>³ 5 x D<br>³ 5 x D<br>(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)**

# WINDLINK® LV-RS (N)HXCMFOE 0.6/1 kV

## 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,


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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


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