



**Diam.: 11.4 ± 0.5 mm**

### CONTACT

Market information  
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Torsion resistant, PUR, screened control cables

### STANDARDS

Product Nexans specification

#### Application

Control cable WINDLINK® Control C-PUR was specifically designed for wind turbines. These cable is used where cold flexibility and torsion resistance are required. It is therefore a suitable connection for electrical equipments in harsh environments.

#### Product characteristics

- Suitable for torsion up to  $\pm 100^\circ /m$
- Vibration resistant
- Flame retardant according to IEC 60332-1-2
- Oil resistant according to EN 60811-2-1
- Halogen free according to IEC 60754
- Ozone resistant according to EN 60811-2-1 clause 8
- UV resistant according to IEC 60068-2-5 (only with black outer sheath)

#### Design

##### Conductor

Bare copper stranded according to IEC 60228 cl. 6

##### Insulation

Polyolefine compound

Core indication according to DIN VDE 0293

JZ/OZ: black numbered with/without green-yellow ground wire from 3 conductors

#### Assembly

Center: filler

Conductors twisted in layers + talc + non woven tape

(TP) Conductors twisted in pairs + Polyester tape + Al/polyester tape (Alu outside)

#### Inner sheath

Polyurethane compound + non woven tape

(TP) without inner sheath

#### Screen

Tinned copper braid, coverage  $85 \pm 5\%$  + non woven tape

#### Sheath

Polyurethane compound, matt surface, colour black Ral 9005 or grey Ral 7001



额定电压U<sub>0</sub>/U  
300 / 500 V



环境动态工作温度, 范围Ambient static  
op. temp  
-30 ... 80 ° C



环境静态工作温度, 范围Ambient static  
op. temp  
-40 ... 80 ° C



气体腐蚀性  
-



耐火  
-



符合RoHS  
是



耐油  
-



抗UV  
-

## CHARACTERISTICS

## 结构特性

结构类型	5 x 2 x 0.75
导体材料	-
绝缘	-
绞合	-
绝缘色	-
屏蔽	-
内护套	-
外护套	-

## 尺寸特性

导体直径 (mm)	-
芯线数	10
导线截面	0.75 mm <sup>2</sup>
绝缘厚度	- mm
内护套厚度	- mm
标称外径	11.4 mm
Nominal outer sheath thickness	- mm
铜含量	109 kg/km
最小线缆直径	- mm
最大线缆直径	- mm
近似重量	184 kg/km

## 电气特性

内导体电阻 (DC)	- 0hm/km
额定电压U <sub>0</sub> /U	300 / 500 V
Max. Electrical Resistance AC 60Hz 70° C	- 0hm/km
Max. Electrical Resistance AC 60Hz 90° C	- 0hm/km
测试电压	3000 V
感抗	- 0hm/km
Operating capacitances	- mF/km
允许通过的短路电流	- kA
Operating voltage - range	- kV
Maximum operating voltage	-
转移阻抗	-

## 机械特性

Mechanical stress	15 N/mm <sup>2</sup>
抗拉强度	- N
最大拉力	- N
Torsion stress	- ° /m

## 使用特性

环境动态工作温度, 范围	-30 ... 80 ° C
环境静态工作温度, 范围	-40 ... 80 ° C
Minimum bending radius, occasionally moving	15 (xD)
气体腐蚀性	-

## 使用特性

最小弯曲半径 - 固定安装	6 (xD)
耐火	-
符合RoHS	是
耐油	-
抗UV	-
Ozone resistance	-
芯线最高静止温度	- ° C
短路最高线芯温度	- ° C
安装温度范围	- ° C
操作温度范围	- ° C

## SELLING AND DELIVERY INFORMATION

Marking e. g.

NEXANS INTERCOND - Week/Year of production - WINDLINK Control C-PUR - 300/500V n x/G yy mm<sup>2</sup> shielded twist control cable

n: number of conductors

x/G: without/with Yellow/Green conductor

yy: section of conductor

Meter marking