



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

CONTACT

Market information
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Rated Voltage U₀/U (U_m)
300/500 V



Ambient dynamic operating temperature, range
-30 ... 80 °C



Ambient static op. temp
-40 ... 80 °C



RoHS compliant
Yes

CHARACTERISTICS**Electrical characteristics**

Rated Voltage U ₀ /U (U _m)	300/500 V
Test voltage	3000 V

Mechanical characteristics

Mechanical stress	15 N/mm ²
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Usage characteristics

Ambient dynamic operating temperature, range	-30 ... 80 °C
Ambient static operating temperature, range	-40 ... 80 °C
Minimum bending radius, occasionally moving	15 (xD)
Minimum bending radius, fixed installation	6 (xD)
RoHS compliant	Yes

PRODUCT LIST

Reference	Name	Nom. outer diam. [mm]	Copper content [kg/km]	Approx. weight [kg/km]
	Li9Y11YC11Y 24G0.75	16.6	256	460
	Li9YC11Y (TP) 5x2x0.75	11.4	109	184
	Li9Y11YC11Y 18G1.0	16.0	242	433
	Li9Y11YC11Y 21G1.5	19.2	380	659

SELLING AND DELIVERY INFORMATION

Marking e.g.

NEXANS INTERCOND - Week/Year of production - WINDLINK Control C-PUR - 300/500V n x/G yy mm² shielded twist control cable

n: number of conductors

x/G: without/with Yellow/Green conductor

yy: section of conductor

Meter marking