

**CONTACT**

Market information  
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Flexible shielded PUR data transmission cables with UL approval

UL type CMX according to UL 444

**STANDARDS**

**Product** UL 444

**Application**

The cable WINDLINK® Data flexible C-PUR was specifically designed for wind turbines. These cable is used for data transmission where high flexibility and oil resistance are required. It is therefore a suitable connection for electrical panels and sensors.

**Product characteristics**

- Vibration resistant
- Flame retardant according to IEC 60332-1-2
- Minimum bending radius during installation
  - without load  $\geq 5 \times D$
  - with load  $\geq 10 \times D$
- Operating temperature acc. to
  - Nexans spec.:  $-40^{\circ}\text{C}$  up to  $+90^{\circ}\text{C}$
  - UL CMX:  $-40^{\circ}\text{C}$  up to  $+75^{\circ}\text{C}$
- Oil resistant according to EN 60811-2-1
- Halogen free according to IEC 60754
- UV resistant according to IEC 60068-2-5
- Ozone resistant according to EN 60811-2-1 clause 8

**Approval**

- UL 444

**Design****Conductor**

Bare copper stranded

**Insulation**

Halogen free compound

Core indication: colour code according to DIN 47100

**Assembly**

Conductors twisted in layers + polyester tape + Aluminium/polyester tape (Aluminium outside)

**Drain wire**

Tinned copper

**Shield**

Tinned copper braid, coverage  $\geq 80\%$  + non woven tape

**Sheath**

PUR compound, colour black Ral 9005

**CHARACTERISTICS****Caratteristiche elettriche**

Tensione nominale U <sub>0</sub> /U	300/500 V
Max. transfer impedance at 10MHz	10 mOhm/m
Resistenza minima di isolamento	100 MOhm.km
Test di tensione AC a 50 Hz conduttore/conduttore	1500 V
Test di tensione AC a 50 Hz conduttore/schermo	1500 V

**Caratteristiche d'utilizzo**

Temperatura Operativa	-40 ... 75 °C
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**PRODUCT LIST**

Reference Name	Diametro esterno nominale del cavo [mm]	Quantitativo rame [kg/km]	Peso approssimativo del cavo [kg/km]
Li9Y(St)C11Y 2x0.34/22AWG	5,0	20	35
Li9Y(St)C11Y 3x0.34/22AWG	5,2	24	39
Li9Y(St)C11Y 4x0.34/22AWG	5,5	28	44
Li9Y(St)C11Y 5x0.34/22AWG	5,9	34,2	55
Li9Y(St)C11Y 6x0.34/22AWG	6,2	41,5	67
Li9Y(St)C11Y 7x0.34/22AWG	6,2	44,6	70
Li9Y(St)C11Y 8x0.34/22AWG	7,0	47,4	72
Li9Y(St)C11Y 2x0.50/20AWG	6,3	31	62

**COMPLEMENTARY TECHNICAL DATA FOR WINDLINK® DATA FLEXIBLE C-PUR****Electrical Properties**

	0.34 mm <sup>2</sup>	0.50 mm <sup>2</sup>
Max. conductors resistance at 20°C [Ω.Km]	58	39
Max. DC resistance of overall screen [Ω/Km]	15.5	10.0

**SELLING AND DELIVERY INFORMATION**

Marking e.g.

NEXANS INTERCOND - Week/Year of production - WINDLINK Li-9Y(St)C11Y n x yy mm<sup>2</sup>/AWG size - E222606 (UL)  
CMX 75°C - shielded data cable

n: number of conductors  
yy: section of conductor  
Meter marking