

**CONTACT**

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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°C up to +90°C
  - UL CMX: -40°C up to +75°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

### Electrical characteristics

Rated Voltage U <sub>0</sub> /U	300/500 V
Max. transfer impedance at 10MHz	10 mOhm/m
Minimum insulation resistance	100 MOhm.km
Test voltage AC at 50hz conductor /conductor	1500 V
Test voltage AC at 50hz conductor/screen	1500 V

### Usage characteristics

Operating temperature, range	-40 ... 75 °C
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## PRODUCT LIST

Reference	Name	Nom. outer diam. [mm]	Copper content [kg/km]	Approx. weight [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