

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°C up to $+90^{\circ}\text{C}$
 - UL CMX: -40°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

Electrical characteristics

Rated Voltage U ₀ /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 ²	0.50 mm ²
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 mm²/AWG size - E222606 (UL) CMX 75°C - shielded data cable

n: number of conductors

yy: section of conductor

Meter marking