

CONTACT

Market information
industryprojects.business@lynxe
ogroup.com

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**Caratteristiche elettriche**

Tensione nominale Uo/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
-----------------------	---------------

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 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