



Torsion resistant CAN-Bus cable with UL approval

### STANDARDS

Product CSA C22.2 N° 214-02; UL 444

### APPLICATION

The cable WINDLINK® CAN BUS was specifically designed for wind turbines. These cable is used where torsion resistance is required.

### CONTACT

Market information  
[industryprojects.business@lynxgroup.com](mailto:industryprojects.business@lynxgroup.com)



Gases corrosivity



Smoke density



Oil resistance



U.V resistance



Max. conductor temp. in service °C



Inst. temp. range  
-40 ... 85 °C



Operating temp.  
-30 ... 75 °C



Fire retardant  
FT4 (UL 1685)

**CHARACTERISTICS****Construction characteristics**

Construction type	1 x 2 x 0.22
Conductor material	Bare copper
Insulation	Foam-skin
Insulation colour	white - green
Lay Up	Pair
Screen	Tinned copper - 80% optical coverage
Inner sheath	Thermoplastic compound
Outer sheath	PVC compound
Sheath colour	Black - RAL 9005

**Dimensional characteristics**

Nominal outer diameter	7.5 mm
Approximate weight	kg/km
Conductor cross-section	mm <sup>2</sup>
Conductor diameter (mm)	
Copper content	kg/km
Diameter over braid	mm
Inner sheath thickness	mm
Insulation sheath thickness	mm
Maximum cable diameter	mm
Minimum cable diameter	mm
Nominal outer sheath thickness	mm

**Electrical characteristics**

Minimum insulation resistance	100 MOhm.km
Resistance of inner conductor (DC)	Ohm/km
Max. Electrical Resistance AC 60Hz 70°C	Ohm/km
Max. transfer impedance at 10MHz	10 mOhm/m
Max. Electrical Resistance AC 60Hz 90°C	Ohm/km
Inductive reactance	Ohm/km
Operating capacitances	mF/km
Permissible short circuit current	kA
Test voltage AC at 50hz conductor /conductor	1500 V
Test voltage AC at 50hz conductor/screen	1500 V
Operating voltage	250 V
Characteristic impedance	Ohm
Permissible current rating in open air	A

**Mechanical characteristics**

Torsion stress	45 °/m
Maximum tensile strength	N/mm <sup>2</sup>

**Usage characteristics**

Gases corrosivity
Smoke density
Oil resistance

### Usage characteristics

U.V resistance	
Ozone resistance	
Max. conductor temperature in service	°C
Short-circuit max. conductor temperature	°C
Installation temperature, range	-40 ... 85 °C
Operating temperature, range	-30 ... 75 °C
Minimum Bending Radius during installation	10 (xD)
Fire retardant	FT4 (UL 1685)

### PRODUCT LIST

Reference	Name	Nom. outer diam. [mm]
	Li-09YS(St)CY 1 x 2 x 0.34 mmq	7.5

### PRODUCT LIST

Reference	Country Ref.	Name
☎	-	Li-09YS(St)CY 1 x 2 x 0.34 mmq

☎ = Make to order, 📦 = In stock,