



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
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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 ²
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 ²

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,