

# Nbox XVB Cca

Nbox XVB Cca 3G1,5 mm<sup>2</sup> T2

## Contact

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**Nbox XVB Cca** is an installation cable for low voltage installations of 0.6/1kV with PVC outer sheath in the handy Nbox. XVB Cca is used in domestic and industrial fixed installations. XVB Cca can be used both indoors and outdoors, provided it is shielded from direct sunlight. XVB Cca may also be placed underground in a well-draining tube. The cable is suitable for use at ambient temperature range from -15°C to + 60°C. XVB Cca is easy to strip.

**Nbox XVB Cca** offers the common sections at a convenient length. Thanks to the **decreasing metric marking** you work more accurately. The Nbox box is **easy to transport and store** due to its practical size. In addition, the Nbox prevents spring effects.

Nbox XVB Cca has fire reaction class Cca-s3,d2,a3 according to EN 50575 and may be installed in bundle or side by side and in areas with increased fire risk according to AREI/RGIE.

## DESCRIPTION

### Nbox is an...

- Innovative **unwinding system**
- Optimum installation thanks to **the decreasing metric marking** on the cable
- **Easy and convenient storage** thanks to its shape

The **Nbox XVB Cca** contains the standard XVB Cca installation cable. The **Nbox** packaging is available for the most common types, in **4 lengths**:

- **XVB 3G1.5 - 140 meters**
- **XVB 3G2.5 - 120 meters**
- **XVB 5G1.5 - 100 meters**
- **XVB 5G2.5 - 80 meters**

**Nbox dimensions:** 390 mm x 390 mm x 190 mm

## Design

1. Copper core, solid (U)
2. Cross-linked polyethylene (XLPE) insulation (X)
3. Filling compound
4. Fire-retardant PVC oversheath



## DECLARATION OF PERFORMANCE

Cca-s3,d2,a3

## STANDARDS

International HD 604.4G

National NBN-IEC 502-NAD



Conductor flexibility  
Solid class 1



Halogen free  
No



Rated Voltage U<sub>0</sub>/U  
(Um)  
0.6/1 kV



Bending factor  
when laying  
12 (xD)



Max. conductor  
temp. in service  
90 °C



Operating temp.  
-15 - 60 °C



Minimum  
installation  
temperature  
0 °C



Water proof  
Good

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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## Installation

- In cable channel, on cable trays
- In open air protect from direct UV radiation
- Embedded in concrete, cement or in walls
- In industries
- In houses
- No ground laying without protection
- Operating temperatures down to -15°C are admitted, provided that no mechanical forces are applied and the cable is not moved.



Conductor flexibility  
**Solid class 1**



Halogen free  
**No**



Rated Voltage U<sub>o</sub>/U  
(Um)  
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## CHARACTERISTICS

### Construction characteristics

Conductor material	Copper
Conductor flexibility	Solid class 1
Conductor shape	Round normal
Insulation	XLPE (chemical)
Core identification	Blue, brown, green / yellow
With Green/Yellow core	Yes
Material of filler / inner sheath	PVC filler
Outer sheath	PVC
Sheath colour	Grey
Halogen free	No

### Dimensional characteristics

Number of cores	3
Conductor cross-section	1.5 mm <sup>2</sup>
Nominal outer diameter	9.3 mm
Approximate weight	136 kg/km

### Electrical characteristics

Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	0.6/1 kV
Test voltage	4 kV
Permissible current rating in open air	23 A

### Mechanical characteristics

Impact resistance Max (IEC 30364-5-51)	6 J
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### Usage characteristics

Bending factor when laying	12 (xD)
Field of application	Indoor, Outdoor
Max. conductor temperature in service	90 °C
Operating temperature, range	-15 - 60 °C
Minimum installation temperature	0 °C
Resistance to vibrations	Moderate
Water proof	Good
Length	140 m
Metric marking	METRIC MARKING
Packaging	Nbox