

Nbox XGB Cca

Nbox XGB Cca Easy Strippable 5G2,5 mm² T2

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Nbox XGB Cca is a halogen-free installation cable for low voltage 0.6/1kV in a handy box. XGB Cca is used in domestic and industrial fixed installations both indoors and outdoors. XGB Cca may also be laid underground in a well-draining tube. The cable is suitable for use at ambient temperatures between -15°C and + 60°C. Nbox XGB Cca offers the common sections at a convenient length. You work more accurately via the **decreasing metric marking**. The practical size of the box makes it **easy to transport and store**. In addition, the box prevents spring effects.

Nbox XGB Cca has fire reaction class Cca-s1,d2,a1 according to EN 50575. According to AREI/RGIE, the cable may be laid in bundle or side by side. Nbox XGB Cca is also suitable for installation in areas where AREI/RGIE imposes s1 a1.

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 XGB Cca** contains the **ALSECURE® XGB Cca** installation cable and is available for the most common types, in 4 lengths:

- **XGB 3G1.5 mm² - 140 meters**
- **XGB 3G2.5 mm² - 120 meters**
- **XGB 5G1.5 mm² - 100 meters**
- **XGB 5G2.5 mm² - 80 meters**

Nbox dimensions: 390 mm x 390 mm x 190 mm

Design

- Copper, solid core (Class 1)
- Cross-linked polyethylene (XLPE) insulation (X)
- Halogen free filling compound or tape
- Outer sheath in halogen-free thermoplastic material (G) - Colour: GREEN

Installation

- In cable duct
- In cable tray
- In open air if protected from direct UV rays
- Embedded in concrete or cement or walls
- In industries
- In houses
- No ground laying without protection
- Operating temperatures down to -15°C are admitted, provided there are no mechanical forces nor movements.



Conductor flexibility
Solid class 1



Halogen free
Yes



Rated Voltage Uo/U
(Um)
0.6/1 kV



Bending factor
when laying
12 (xD)



U.V resistance
EN 50289-4-17
method A, for
720h



Max. conductor
temp. in service
90 °C



Operating temp.
-15 - 60 °C



Minimum
installation
temperature
0 °C



DECLARATION OF PERFORMANCE

Cca-s1,d2,a1

STANDARDS

National NBN HD 604 Part 5/
Sect.L

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CHARACTERISTICS

Construction characteristics

Conductor material	Copper
Conductor flexibility	Solid class 1
Conductor shape	Round, massive
Insulation	XLPE (chemical)
Core identification	Blue, brown, black, grey, green / yellow
With Green/Yellow core	Yes
Material of filler / inner sheath	Compound or tape
Outer sheath	Halogen free polyolefin
Sheath colour	Green
Halogen free	Yes

Dimensional characteristics

Number of cores	5
Conductor cross-section	2.5 mm ²
Nominal outer diameter	11.5 mm
Approximate weight	229 kg/km

Electrical characteristics

Rated Voltage U ₀ /U (U _m)	0.6/1 kV
Test voltage	4 kV
Permissible current rating in open air	32 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
U.V resistance	EN 50289-4-17 method A, for 720h
Max. conductor temperature in service	90 °C
Operating temperature, range	-15 - 60 °C
Minimum installation temperature	0 °C
Resistance to vibrations	Moderate
Water proof	Temporary
Smoke density	Low
Length	80 m
Metric marking	METRIC MARKING
Packaging	Nbox