

Nbox XGB Cca

Nbox XGB Cca Easy Strippable 5G2,5 mm² P2.4km

Contact

Sales
Phone: 02 363 27 17
sales.equipment-cables@nexans.com

Nexans Ref.: 10539805
EAN 13: 5413404310203

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

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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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 (Um) | 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 |
|--|-----|

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 | Pallet |