

XVB Cca 0,6/1kV

XVB Cca 5G1,5 mm²

Contact

Sales

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XVB Cca is an installation cable for low voltage installations of 0.6/1kV with PVC outer sheath. 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 temperatures ranging from -15°C to +60°C. XVB Cca is easy to strip. XVB Cca has a fire reaction class of Cca-s3,d2,a3 according to EN 50575 and can be installed in bundles or side by side.

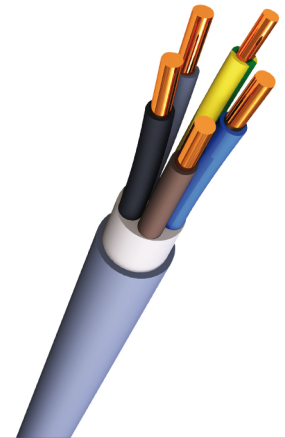
DESCRIPTION

Design

- Copper core, solid (Class 1) or stranded (Class 2)
- Cross-linked polyethylene (XLPE) insulation (X)
- Filling compound or tape
- Fire-retardant PVC oversheath (V) - colour: Grey

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.



DECLARATION OF PERFORMANCE

Cca-s3,d2,a3



Conductor flexibility
Solid class 1



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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CHARACTERISTICS

Construction characteristics

Conductor material	Copper
Conductor flexibility	Solid class 1
Conductor shape	Circular solid (RE)
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	PVC
Sheath colour	Grey
With smaller neutral conductor	No

Dimensional characteristics

Number of cores	5
Conductor cross-section	1.5 mm ²
Ground conductor cross-section	- mm ²
Neutral conductor section (when smaller)	- mm ²
Average insulation thickness	0.7 mm
Insulation thickness of smaller conductor	- mm
Minimum outer sheath thickness	1.09 mm
Nominal outer diameter	10.8 mm
Approximate weight	183 kg/km

Electrical characteristics

Rated Voltage U ₀ /U	0.6/1 kV
Test voltage	4 kV
Perm. current rating in air 30°C - flat formation	- A
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	- m
Packaging	Cut to length
Metric marking	Continuous

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