

# BFXI 0,6/1 kV ALSECURE PLUS

BFXI 0,6/1 kV 3G16

Nexans Ref.: 10265715  
Country Ref.: 1067307  
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Uo/U: 0,6/1 kV  
Halogen free, fire resistant, double insulated cables

## DESCRIPTION

ALSECURE® PLUS BFXI 0,6/1 kV cables are designed to be used in safety systems (emergency lights, warning systems, fire fighting equipments, etc ...) in all premises open to the public (concert hall, theaters, cinemas, department stores, hospitals, schools, etc ...), in high-rises buildings, in tunnels, in industries.

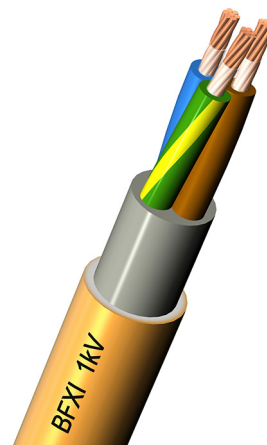
ALSECURE® PLUS cables, with **MICA tape** technology, are **fire resistant** and fire retardant, low smoke and **halogen free**. In the event of fire, emitted gazes are non corrosive and have a very low toxicity.

## Installation

- To be installed in accordance with the current regulation.
- For indoor and outdoor use. UV-resistant outer sheath, however insulated conductors would need extra protection if exposed to UV light.
- If buried into the ground, extra protection is needed, for example conduit or covering boards

## Fire performance

Fire resistant according to: IEC 60331-21, 1000 deg. Celsius for minimum 90 minutes  
Fire retardant according to : IEC 60332-3C



## STANDARDS

International HD 604.5D;  
IEC 60228; IEC 60331-21 ;  
IEC 60332-1-2;  
IEC 60332-3 Cat.C; IEC 60754;  
IEC 61034-1/2



Halogen free  
IEC 60754-1



Conductor flexibility  
Stranded class 2



Rated Voltage Uo/U  
(Um)  
0,6/1 kV



Cable flexibility  
12 x D



Fire resistant  
IEC 60331-21



Smoke density  
IEC 61034



Gases toxicity  
Low



Gases corrosivity  
IEC 60754-2

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## CHARACTERISTICS

### Construction characteristics

Halogen free	IEC 60754-1
Insulation	Micatape + XLPE
Outer sheath	Halogen free compound
Sheath colour	Orange
Conductor flexibility	Stranded class 2
Conductor material	Copper class 2
Conductor shape	Circular
With Green/Yellow core	Yes

### Dimensional characteristics

Nominal outer diameter	20.1 mm
Approximate weight	833 kg/km
Conductor cross-section	16 mm <sup>2</sup>
Conductor diameter	4.8 mm
Number of cores	3

### Electrical characteristics

Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	0.6/1 kV
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### Mechanical characteristics

Cable flexibility	12 x D
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### Usage characteristics

Fire resistant	IEC 60331-21
Smoke density	IEC 61034
Gases toxicity	Low
Gases corrosivity	IEC 60754-2
Flame retardant	IEC 60332 Part 3 Cat. C
Max. conductor temperature in service	90 °C