

## ALSECURE® NX400

### Description

#### Application :

Fire safety circuits for control systems and large power transmission (water pump, hydrant, air fans...) with enhanced mechanical protection.

#### Design :

1. **Conductor** : Bare copper stranded class 2 BS6360/IEC 60228
2. **Mica tape(s)**
3. **Insulation** : Special XLPE
4. **Inner sheath** : Halogen free polyolefin (over optional filler and binder tape (s))
5. **Armour** : Single layer of galvanized steel wires
6. **Outer sheath** : Halogen free polyolefin. Colour : black

#### Marking :

White Print: ALSECURE NX400 size CU/XLPE/MT/EB/SWA/LSHF year xxxxM  
Batch No xxxx

Embossing 1: )( BS 7846-F2 ELECTRIC CABLE - 600/1000V BASEC LPCB 582B/01

Embossing 2: Cu XLPE size year

#### Core Identification :

- 2 cores : brown-blue
- 3 cores : brown-black-grey
- 4 cores : brown-black-grey-blue
- 7 cores and above : printed numbers.



#### Standards

**International** IEC 60331-21

**National** BS 6387 CWZ; BS 7846;  
SS 299 Cat. CWZ



Conductor flexibility  
Stranded class  
2



Halogen free  
Yes



Fire resistant  
IEC  
60331-21



Fire retardant  
IEC 60332-3



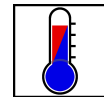
Smoke density  
IEC 61034



Gases toxicity  
No toxicity to IEC  
60754-1



Gases corrosivity  
IEC 60754-2



Operating temperature,  
range  
-20 .. 70 °C

## ALSECURE® NX400

### Characteristics

Construction characteristics	
Conductor material	Bare copper
Armour type	Single layer of galvanized steel wires
Outer sheath	Polyolefin
Insulation	XLPE + Mica tape
Inner sheath	Polyolefin
Sheath colour	Black
Conductor flexibility	Stranded class 2
Halogen free	Yes
Electrical characteristics	
Rated Voltage Uo/U (Um)	0.6/1 kV
Usage characteristics	
Fire resistant	IEC 60331-21
Fire retardant	IEC 60332-3
Smoke density	IEC 61034
Gases toxicity	No toxicity to IEC 60754-1
Gases corrosivity	IEC 60754-2
Operating temperature, range	-20 .. 70 °C
Electro magnetic interference resistance	Yes
Ambient temperature	30 °C
Max. conductor temperature in service	90 °C

### Product List

☎=Make to order, 📦=Make to stock

Nexans ref.	Name	Conductor cross-section (mm <sup>2</sup> )	Number of cores
📦	NX400 BS7846 2x 1.5mm <sup>2</sup>	1.5	2
📦	NX400 BS7846 2x 25mm <sup>2</sup>	25	2
📦	NX400 BS7846 2x 35mm <sup>2</sup>	35	2
📦	NX400 BS7846 2x50mm <sup>2</sup>	50	2
📦	NX400 BS7846 3x 2.5mm <sup>2</sup>	2.5	3
📦	NX400 BS7846 3x 25mm <sup>2</sup>	25	3
📦	NX400 BS7846 3x 35mm <sup>2</sup>	35	3
📦	NX400 BS7846 3x 50mm <sup>2</sup>	50	3
📦	NX400 BS7846 4x 25mm <sup>2</sup>	25	4
📦	NX400 BS7846 4x 35mm <sup>2</sup>	35	4
📦	NX400 BS7846 4x 50mm <sup>2</sup>	50	4
📦	NX400 BS7846 4x 70mm <sup>2</sup>	70	4
📦	NX400 BS7846 4x 95mm <sup>2</sup>	95	4
📦	NX400 BS7846 4x120mm <sup>2</sup>	120	4
📦	NX400 BS7846 4x150mm <sup>2</sup>	150	4
📦	NX400 BS7846 4x185mm <sup>2</sup>	185	4
📦	NX400 BS7846 4x240mm <sup>2</sup>	240	4
📦	NX400 BS7846 4x300mm <sup>2</sup>	300	4
📦	NX400 BS7846 4x400mm <sup>2</sup>	400	4

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