

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.



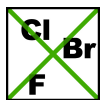
Standards

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



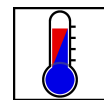
Smoke density
 IEC 61034



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 ²)	Number of cores
📦 13514 Removed	NX400 BS7846 2x 1.5mm ²	1.5	2
📦 13510 Removed	NX400 BS7846 2x 25mm ²	25	2
📦 13521 Removed	NX400 BS7846 2x 35mm ²	35	2
📦 unknown Removed	NX400 BS7846 2x50mm ²	50	2
📦 13532 Removed	NX400 BS7846 3x 2.5mm ²	2.5	3
📦 13537 Removed	NX400 BS7846 3x 25mm ²	25	3
📦 13538 Removed	NX400 BS7846 3x 35mm ²	35	3
📦 13539 Removed	NX400 BS7846 3x 50mm ²	50	3
📦 13558 Removed	NX400 BS7846 4x 25mm ²	25	4
📦 13559 Removed	NX400 BS7846 4x 35mm ²	35	4
📦 13560 Removed	NX400 BS7846 4x 50mm ²	50	4

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Nexans ref.	Name	Conductor cross-section (mm ²)	Number of cores
13561 Removed	NX400 BS7846 4x 70mm ²	70	4
13562 Removed	NX400 BS7846 4x 95mm ²	95	4
13563 Removed	NX400 BS7846 4x120mm ²	120	4
13564 Removed	NX400 BS7846 4x150mm ²	150	4
13565 Removed	NX400 BS7846 4x185mm ²	185	4
13566 Removed	NX400 BS7846 4x240mm ²	240	4
13567 Removed	NX400 BS7846 4x300mm ²	300	4
13568 Removed	NX400 BS7846 4x400mm ²	400	4

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