

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



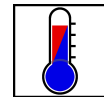
Smoke density
 IEC 61034



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 |
|-------------|------------------------------------|--|-----------------|
| 📦 | NX400 BS7846 2x 1.5mm ² | 1.5 | 2 |
| 📦 | NX400 BS7846 2x 25mm ² | 25 | 2 |
| 📦 | NX400 BS7846 2x 35mm ² | 35 | 2 |
| 📦 | NX400 BS7846 2x50mm ² | 50 | 2 |
| 📦 | NX400 BS7846 3x 2.5mm ² | 2.5 | 3 |
| 📦 | NX400 BS7846 3x 25mm ² | 25 | 3 |
| 📦 | NX400 BS7846 3x 35mm ² | 35 | 3 |
| 📦 | NX400 BS7846 3x 50mm ² | 50 | 3 |
| 📦 | NX400 BS7846 4x 25mm ² | 25 | 4 |
| 📦 | NX400 BS7846 4x 35mm ² | 35 | 4 |
| 📦 | NX400 BS7846 4x 50mm ² | 50 | 4 |
| 📦 | NX400 BS7846 4x 70mm ² | 70 | 4 |
| 📦 | NX400 BS7846 4x 95mm ² | 95 | 4 |
| 📦 | NX400 BS7846 4x120mm ² | 120 | 4 |
| 📦 | NX400 BS7846 4x150mm ² | 150 | 4 |
| 📦 | NX400 BS7846 4x185mm ² | 185 | 4 |
| 📦 | NX400 BS7846 4x240mm ² | 240 | 4 |
| 📦 | NX400 BS7846 4x300mm ² | 300 | 4 |
| 📦 | NX400 BS7846 4x400mm ² | 400 | 4 |

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