

# ALSECURE® NX 200 PLUS

## BS 5839-1: 2002 Cat. Enhanced

### Types Approval

- BASEC
- LPCB

### Applications

- Fire detection and
- Fire alarm systems for buildings
- Public address systems
- Emergency lighting.

300/500 V

Max conductor temperature: 70 °C

### Design

#### 1. Conductor

Bare copper:  
Solid class 1 (1,1.5 mm<sup>2</sup>)  
Stranded class 2 (2.5 mm<sup>2</sup>)  
according to BS 6360/  
IEC 60228

#### 2. Insulation

Silicon rubber  
to BS 7655

#### 3. Uninsulated protective conductor

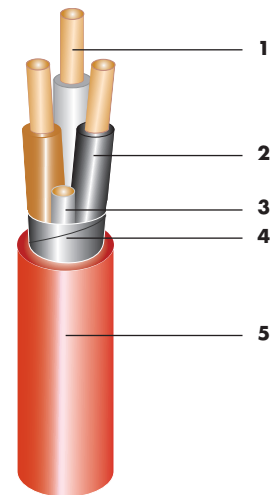
Tinned copper  
according to BS 6360: same  
class and cross-sectional area as:  
insulated conductor

#### 4. Screen

Aluminium/polyester tape with  
optional polyester tape

#### 5. Outer Sheath

Halogen free polyolefin  
Colour: red



### Marking

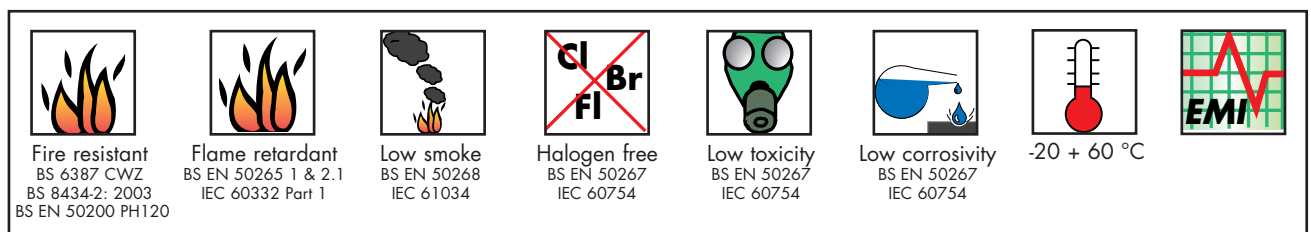
ALSECURE NX 200 PLUS - n x s -  
300/500V - BASEC - LPCB  
BS 7629-1 - BS 6387 CWZ -  
BS 8434-2 - NEXANS -  
week/year

### Core Identification

- 2 cores: brown-blue
- 3 cores: brown-black-grey
- 4 cores: brown-black-grey-blue

### Standards

BS 7629 Part 1  
BS 5839-1 : 2002  
Cat. Enhanced



## ALSECURE® NX 200 PLUS

Cables (mm <sup>2</sup> )	Outer diameter (approx.)		Current rating (A)	Voltage drop (V/A x km)		Weight approx. (kg/km)
	Min. (mm)	Max. (mm)		AC/DC 2 cores loaded	AC 3 cores loaded	
2 x 1	6.9	8.2	15.0	44.0		87
2 x 1.5	7.3	8.7	19.5	29.0		103
2 x 2.5	9.2	10.8	27.0	18.0		164
3 x 1	7.3	9.6	13.5		38.0	102
3 x 1.5	7.8	10.0	17.5		25.0	123
3 x 2.5	9.8	12.7	24.0		15.0	198
4 x 1	8.2	10.6	13.5		38.0	125
4 x 1.5	8.7	11.2	17.5		25.0	151
4 x 2.5	10.9	14.1	24.0		15.0	242

These current and voltage drops data are indicated for continuous duty operation.

They are as defined in BS 7671: 2001

table 4D2A and apply to:

- maximum conductor temperature = 70 °C
- nominal frequencies = 50 - 60 Hz

On cable in air, clipped direct  
at ambient air temperature = 30 °C

### Voltage drop

The data are based on  $\cos \varphi = 1$

For other laying conditions, refer to BS 7671: 2001 standard



= 6 x outer diam. max.<sup>(1)</sup>

<sup>(1)</sup> to be doubled during the laying operations