



### CONTACT

Market information  
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- Low voltage cables 0.6/1 (1.2) V
- CST 74C068
- Zero halogen (SH)
- **Cables installed outside of the containment area (K3)**
- Armoured (NA)

### STANDARDS

**Product** IEC 60228

**Test** IEC 60332-3-23; IEC 60754-1; IEC 61034-2; NF C32-070/C1

### APPLICATIONS

These low voltage cables are used for lighting system power supply, engine power supply and solenoid valve power supply. They are well adapted to under ground use.

### DESIGN

#### Design

##### Conductor:

Stranded bare copper or aluminium (class 2)

##### Insulation:

Cross-linked halogen free (SH)

##### Covering (optional):

Flame retardant filler material

##### Inner sheath:

Low smoke, zero halogen (LSZH)

##### Armour:

Steel tape (STA) or aluminium tape (ATA) for 1 core cable

##### Outer sheath:

Low smoke, zero halogen (LSZH)

Colour: Blue

### Core identification

According to HD308 S2

### Marking

LYNXEO 279 Nber of cores & cross-section Cu/Al Armé CST 74C 068 00 K3 SH 0.6/1 (1.2) kV YYY Y Manufacturing number + metric marking



Halogen free  
IEC 60754-1



Rated Voltage Uo/U (Um)  
0.6/ 1 (1.2) kV



Fire retardant  
NF C 32070 C1; IEC 60332-3-24 (cat B)



Smoke density  
EN/IEC 61034-2



Operating temp.  
-20 ... 60 °C



Max. conductor temp.in service  
90 °C

### STANDARD

### Standard

All drawings, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Lynx<sup>eo</sup> is indicative only and shall not be binding on Lynx<sup>eo</sup> or be treated as constituting a representation on the part of Lynx<sup>eo</sup>.  
 Quality insurance according to ISO 9001

### CHARACTERISTICS

#### Construction characteristics

|                        |                   |
|------------------------|-------------------|
| Conductor material     | Plain copper      |
| Type of conductor      | Stranded, class 2 |
| Insulation             | Halogen-free      |
| Outer sheath           | Halogen-free      |
| Halogen free           | IEC 60754-1       |
| With Green/Yellow core | No                |

#### Dimensional characteristics

|                          |                     |
|--------------------------|---------------------|
| Conductor cross-section  | 240 mm <sup>2</sup> |
| Number of cores          | 1                   |
| Conductor diameter       | 18.3 mm             |
| Diameter over insulation | 21.7 mm             |
| Diameter over armour     | 27.0 mm             |
| Minimum outer diameter   | 30.1 mm             |
| Maximum outer diameter   | 33.9 mm             |
| Approximate weight       | 2883 kg/km          |

#### Electrical characteristics

|                                      |                 |
|--------------------------------------|-----------------|
| Rated Voltage U <sub>0</sub> /U (Um) | 0.6/ 1 (1.2) kV |
|--------------------------------------|-----------------|

#### Usage characteristics

|                                       |                                       |
|---------------------------------------|---------------------------------------|
| Fire retardant                        | NF C 32070 C1; IEC 60332-3-24 (cat.B) |
| Smoke density                         | EN/IEC 61034-2                        |
| Operating temperature, range          | -20 ... 60 °C                         |
| Max. conductor temperature in service | 90 °C                                 |
| Nuclear Classification                | Class 1 E Non LOCA/K3                 |

### SELLING AND DELIVERY INFORMATION

Minimum bending radius:

10 x outer diameter  
To be doubled during laying operations



Halogen free  
IEC 60754-1



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0.6/ 1 (1.2) kV



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