



### CONTACT

Market information  
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- Low voltage cables 0.6/1 (1.2) V
- CST 74C068
- Zero halogen (SH)
- **Cables installed inside of the containment area (K1)**
- Unarmoured (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.

### DESIGN

#### Design

Conductor:

Stranded bare copper or aluminium (class 2)

Insulation:

Cross-linked halogen free (SH)

Covering (optional):

Halogen free

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 CST 74 C 068 00 K1 SH 0.6/1 (1.2) kV YYYY Manufacturing number + metric marking

### STANDARD



Halogen free  
 IEC 60754-1



Rated Voltage U<sub>o</sub>/U<sub>m</sub>  
 (Um)  
 0.6/ 1 (1.2) kV



Standard  
 IEC 60332-3-23(B)  
 Fire retardant  
 NF C 32070 C1;  
 IEC 60332-3-23  
 (cat. B)  
 Smoke density  
 EN/IEC 61034-2  
 insurance according to RCC-E



Radiation resistant  
 Yes



LOCA  
 Yes



Life cycle 60years  
 Yes



Max. conductor  
 temp.in service  
 90 °C

### 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       |

#### Dimensional characteristics

|                          |                    |
|--------------------------|--------------------|
| Conductor cross-section  | 25 mm <sup>2</sup> |
| Number of cores          | 3                  |
| Conductor diameter       | 6.1 mm             |
| Diameter over insulation | 7.9 mm             |
| Minimum outer diameter   | 20.8 mm            |
| Maximum outer diameter   | 23.0 mm            |
| Approximate weight       | 1116 kg/km         |

#### Electrical characteristics

|                                      |                 |
|--------------------------------------|-----------------|
| Rated Voltage U <sub>o</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                        |
| Radiation resistant                   | Yes                                   |
| Loss of coolant accident resistant    | Yes                                   |
| Life cycle 60years                    | Yes                                   |
| Max. conductor temperature in service | 90 °C                                 |
| Operating temperature, range          | -20 ... 60 °C                         |
| Nuclear Classification                | Class 1 E LOCA /K1                    |

### SELLING AND DELIVERY INFORMATION

Minimum bending radius:

8 x outer diameter  
To be doubled during laying operations



Halogen free  
IEC 60754-1



Rated Voltage U<sub>o</sub>/U (Um)  
0.6/ 1 (1.2) kV



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IEC 60332-3-24 (cat.B)



Smoke density  
EN/IEC 61034-2



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