



### CONTACT

Market information  
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- Medium voltage cables 6/10 (12) kV
- CST 74C068
- Zero halogen (SH)
- **Cables installed outside of the containment area (K3)**
- Unarmoured (NA)

### STANDARDS

**Product** IEC 60228; IEC 60502-2

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

### APPLICATIONS

These medium voltage cables are used for medium voltage power supply,

### DESIGN

#### Design

##### Conductor:

Stranded bare copper or aluminium (class 2)

##### Screen:

Semi-conductor

##### Insulation:

Ethylene Propylene Rubber (EPR)

##### Insulation screen:

Semi-conductor

Copper tape

##### Assembling sheath:

Halogen free

##### Outer sheath:

Low smoke, zero halogen (LSZH)

Colour: Black

#### Core identification

**1x: natural**

**3x: black - green - brown (by tape under copper screen)**

#### Marking

**LYNXEO 279 Nber of cores & cross-section Cu/Al CST 74 C 068 00 K3 SH 6/10(12) kV YYYY Manufacturing number + metric marking**



Halogen free  
 IEC 60754-1



Rated Voltage U<sub>o</sub>/U (Um) (Fire resistant)  
 6 / 10 (12) kV



Smoke density  
 EN/IEC 61034-2  
 NF C32-070-C1, IEC 60332-3-24  
 (cat.B)



Operating temp.  
 -20 ... 60 °C



Max. conductor temp.in  
 service  
 90 °C

**Standard**

IEC 60332-3-23(B)

### 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 | 50 mm <sup>2</sup> |
| Number of cores         | 3                  |
| Minimum outer diameter  | 47.3 mm            |
| Maximum outer diameter  | 52.2 mm            |
| Approximate weight      | 3820 kg/km         |

#### Electrical characteristics

|   |                |
|---|----------------|
| Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> ) | 6 / 10 (12) 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:

- 1 core: 10 x outer diameter
- Multi: 8 x outer diameter
- To be doubled during laying operations



Halogen free  
IEC 60754-1



Rated Voltage U<sub>0</sub>/U (U<sub>m</sub>)  
6 / 10 (12) kV



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



Smoke density  
EN/IEC 61034-2



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service  
90 °C