



### CONTACT

Market information  
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- Medium voltage cables 6/10 (12) kV
- CST 74C068
- Zero halogen (SH)
- **Cables installed inside of the containment area (K1)**
- 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

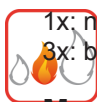
### Core identification



Halogen free  
IEC 60754-1



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



Fire resistant  
NF C 32070 C1;  
IEC 60332-3-23  
(cat. B)



Smoke density  
EN/IEC 61034-2



Life cycle 60years  
Yes



Radiation resistant  
Yes



LOCA  
Yes



Max. conductor  
temp. in service  
80°C

### Marking

1x: natural  
3x: black - green - brown (by tape under copper screen)

LYNX<sup>EO</sup> 279 Nber of cores & cross-section Cu/Al CST 74 C 068 00 K1 SH 6/10(12)  
kV YYYY Manufacturing number + metric marking

All drawings, designs, specifications, plans and particulars of weights, size and dimensions  
contained in this document 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>.

### Standard

## CHARACTERISTICS

### Construction characteristics

|                    |                   |
|--------------------|-------------------|
| Conductor material | Aluminum          |
| Type of conductor  | Stranded, class 2 |
| Insulation         | Halogen-free      |
| Outer sheath       | Halogen-free      |
| Halogen free       | IEC 60754-1       |

### Dimensional characteristics

|                         |                     |
|-------------------------|---------------------|
| Conductor cross-section | 630 mm <sup>2</sup> |
| Number of cores         | 1                   |
| Diameter over screen    | - mm                |
| Minimum outer diameter  | 49.6 mm             |
| Maximum outer diameter  | 54.7 mm             |
| Approximate weight      | 3749 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                        |
| Life cycle 60years                    | Yes                                   |
| Radiation resistant                   | Yes                                   |
| Loss of coolant accident resistant    | 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:

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



Halogen free  
IEC 60754-1



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6 / 10 (12) kV



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IEC 60332-3-24  
(cat.B)



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Max. conductor  
temp.in service  
90 °C