



### CONTACT

Market information  
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 ogroup.com

- 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

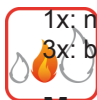
### Core identification



Halogen free  
IEC 60754-1



Rated Voltage Uo/Um  
(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)

LYN<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

### STANDARDS

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained herein are for information only 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	400 mm <sup>2</sup>
Number of cores	1
Diameter over screen	- mm
Minimum outer diameter	42.4 mm
Maximum outer diameter	46.8 mm
Approximate weight	2712 kg/km

### Electrical characteristics

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



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



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



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EN/IEC 61034-2



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LOCA  
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Max. conductor  
temp.in service  
90 °C