



### 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 YYY YYY YYY YYY Manufacturing number + metric marking**



Halogen free  
IEC 60754-1



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



**Standard**  
NF C32-070-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

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	400 mm <sup>2</sup>
Number of cores	1
Minimum outer diameter	43.2 mm
Maximum outer diameter	47.6 mm
Approximate weight	5130 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
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



Operating temp.  
-20 ... 60 °C



Max. conductor temp.in  
service  
90 °C