



### CONTACT

Market information  
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- Medium voltage cables 6/6 (7.2) 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)

##### Assembling sheath:

Halogen free

##### Inner sheath:

Halogen free

##### Screen:

Semi-conductor

Copper tape

##### Outer sheath:

Low smoke, zero halogen (LSZH)

Colour: Black

### Core identification

3x: natural cores printed with black numbers



Halogen free  
IEC 60754-1



Rated Voltage U<sub>o</sub>/U (Um)  
6/6(7.2) kV



Fire retardant

NF C 32070-C1; IEC 60332-3-24  
LYN<sup>EO</sup> 279 (cat.B)  
KV YYYY Manufacturing number + metric marking



Smoke density  
EN/IEC 61034-2



Operating temp.  
-20 ~ 60 °C



Max. conductor temp.in service

EN/IEC 61034-2 CST 74 068 00 K3 SH 6/6(7.2) kV

### STANDARD

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

IEC 60332-3-23(B)

## CHARACTERISTICS

### Construction characteristics

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

### Electrical characteristics

Rated Voltage U <sub>o</sub> /U (Um)	6/6(7.2) 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

## ALUMINIUM CONDUCTOR

Reference	Name	Nb. of cores	Cross section [mm <sup>2</sup> ]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10215352	74C068 SH MT 6/6kV 3x50 Alu2 K3 NA	3	50	43.5	47.9	2475
10215353	74C068 SH MT 6/6kV 3x150 Alu2 K3 NA	3	150	58.4	64.4	4845
10215351	74C068 SH MT 6/6kV 3x185 Alu2 K3 NA	3	185	62.9	69.3	625
10216539	74C068 SH MT 6/6kV 3x240 Alu2 K3 NA	3	240	66.9	73.8	6481

## COPPER CONDUCTOR

Reference	Name	Nb. of cores	Cross section [mm <sup>2</sup> ]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
	74C068 SH MT 6/6kV 3x50 Cu2 K3 NA	50	3	42.9	47.3	3374

## SELLING AND DELIVERY INFORMATION

Minimum bending radius:



Halogen free  
IEC 60754-1



Rated Voltage U<sub>o</sub>/U (Um)  
6/6(7.2) 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

8 x outer diameter  
To be doubled during laying operations



Halogen free  
IEC 60754-1



Rated Voltage  $U_0/U_m$  (Um)  
6/6(7.2) 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