



#### 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

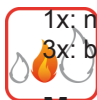
#### Core identification



Halogen free  
 IEC 60754-1



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



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



Smoke density  
 EN/IEC 61034-2



Life cycle 60years  
 Yes



Radiation resistant  
 Yes



LOCA  
 Yes



Max. conductor  
 temp. in service  
 90°C

#### Marking

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

#### Standard

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained herein 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>.

### 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
Diameter over screen	- mm
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
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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



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



Smoke density  
EN/IEC 61034-2



Life cycle 60years  
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Radiation resistant  
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Max. conductor  
temp.in service  
90 °C