



#### 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

**Producto** IEC 60228; IEC 60502-2

**Ensayo** 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

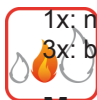
#### Core identification



Libre de halógenos  
 IEC 60754-1



Tensión nominal de servicio U<sub>0</sub>/U  
 6 / 10 (12) kV



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



No propagador del incendio  
 NF C 32070 C1  
 IEC 60332-3-23 (cat. B1)



Life cycle 60years  
 Yes



Radiation resistant  
 Yes



LOCA  
 Yes



Max. conductor temp. in service  
 90°C

#### Marking

LYN<sup>EO</sup> 279 Nbr 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 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

#### Características de construcción

Material del conductor	Plain copper
Type of conductor	Stranded, class 2
Aislamiento	Halogen-free
Cubierta exterior	Halogen-free
Libre de halógenos	IEC 60754-1

#### Características dimensionales

Sección del conductor	50 mm <sup>2</sup>
Número de conductores	3
Diameter over screen	- mm
Diámetro exterior mínimo	47,3 mm
Diámetro exterior máximo	52,2 mm
Peso aproximado	3820 kg/km

#### Características eléctricas

Tensión nominal de servicio U <sub>o</sub> /U	6 / 10 (12) kV
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#### Características de uso

No propagador del incendio	NF C 32070 C1; IEC 60332-3-24 (cat.B)
Densidad de los humos	EN/IEC 61034-2
Life cycle 60years	Yes
Radiation resistant	Yes
Loss of coolant accident resistant	Yes
Temperatura máxima del conductor	90 °C
Temperatura ambiente de utilización (rango)	-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



Libre de halógenos  
IEC 60754-1



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6 / 10 (12) kV



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



Densidad de los humos  
EN/IEC 61034-2



Life cycle 60years  
Yes



Radiation resistant  
Yes



LOCA  
Yes



Max. conductor temp. in service  
90 °C