



**Reference:** 10225540  
**EAN 13:** 3427580657726

#### CONTACT

Market information  
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Control cables CST 74C068 for nuclear power plants, 500V halogen-free. These cables, installed outside the containment area (K3), are unarmed and designed with copper braid shield.

#### STANDARDS

**Producto** IEC 60228

**Ensayo** IEC 60332-3-23; IEC 60754-1; IEC 61034-2; NF C32-070/C1

#### APPLICATIONS

These control cables allow connection to a variety of industrial equipment from control room. Many of them require anti-inductive screen (EMI).

#### CONSTRUCTION

##### Conductor:

- Stranded (class 2) or flexible (class 5) plain copper

##### Insulation:

- Zero halogen (SH), cross linked

##### Assembling:

- Polyester tape (optional)

##### Overall screen:

- Copper wire braid (CWB) R ≥ 80%

##### Outer sheath:

- Low smoke, zero halogen (LSZH)

- Colour: Grey

#### Core identification

Black cores printed with white numbers

Optional: with Y/G core

#### Marking

LYNXEO 279 Nber of cores & cross-section Cu EG CST 74 C 068 K3 SH 0.3/0.5 (0.6) kV YYYY Manufacturing number + metric marking



Libre de halógenos  
 IEC 60754-1; IEC 60754-2



Temp. ambiente de utilización  
 -20 ... 60 °C



Densidad de los humos  
 EN/IEC 61034-2



No propagador del incendio  
 NF C 32070 C1;  
 IEC 60332-3-24 (cat.B)



Resistencia a interferencias electromagnéticas  
 SI



Resistencia a radiaciones ultravioletas  
 SI



Life cycle 60years  
 Yes



Max.conductor temp.in service  
 90 °C

**CHARACTERISTICS****Características de construcción**

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

**Características dimensionales**

Sección del conductor	1,5 mm <sup>2</sup>
Número de conductores	5
Diámetro del conductor	1,5 mm
Diámetro sobre aislamiento	2,84 mm
Diameter over screen	8,6 mm
Diámetro exterior mínimo	10,4 mm
Diámetro exterior máximo	12,0 mm
Peso aproximado	245 kg/km

**Características eléctricas**

Resistencia máxima del conductor en CC a 20° C	12,1 Ohm/km
Maximum DC resistance of the conductor at 90°C	15,400 Ohm/km
Reactance at 50 Hz	0,094 Ohm/km
Short Circuit Current 0,3 s Max	0,39 kA
Short Circuit Current 1 s Max	0,21 kA
Impedance at 50 Hz	12,1 Ohm
Voltage Drop	24,8 V/A.km
Calorific Power	1,8 MJ/m

**Características de uso**

Temperatura ambiente de utilización (rango)	-20 ... 60 °C
Densidad de los humos	EN/IEC 61034-2
No propagador del incendio	NF C 32070 C1; IEC 60332-3-24 (cat.B)
Resistencia a interferencias electromagnéticas	Sí
Resistencia a radiaciones ultravioletas	Sí
Life cycle 60years	Yes
Temperatura máxima del conductor	90 °C
Nuclear Classification	Class 1 E Non LOCA/K3

**SELLING AND DELIVERY INFORMATION****Minimum bending radius:**

10 x outer diameter  
To be doubled during laying operations