



### CONTACT

Market information  
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- CST 74C068
- Quality insurance according to RCC-E
- Zero halogen (SH)
- Control cables 0.3/0.5(0.6)kV
- **Cables installed outside the containment area (K3)**
- Overall screened (EG)
- Unarmoured (NA)
- **Fire resistant**

### STANDARDS

**Producto** IEC 60228

**Ensayo** a; EN 50200; EN 50362; 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

#### Flame barrier:

- Mica tape (MGT)

#### Insulation:

- Zero halogen (SH), cross-linked

#### Assembling:

- Polyester tape (optional)

#### Inner sheath:

- Low smoke, zero halogen (LSZH)
- Colour: Grey

#### 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 G/Y core.



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



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



Densidad de los  
humos  
IEC 61034-2



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



Resistente al fuego  
EN 50200/362



Resistencia a  
interferencias  
electromagnéticas  
SI



Resistencia a  
radiaciones  
ultravioletas  
SI



Life cycle 60years  
Yes

## CHARACTERISTICS

## Características de construcción

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

## Características eléctricas

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

## Características de uso

Temperatura ambiente de utilización (rango)	-20 ... 60 °C
Densidad de los humos	IEC 61034-2
No propagador del incendio	NF C 32070 C1; IEC 60332-3-24 (cat.B)
Resistente al fuego	EN 50200/362
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

## STRANDED CLASS 2

Reference Name	Sección [mm²]	Nro.Conductores	Conductor diam. [mm]	Diam . over insulation [mm]	Diam. over inner sheath [mm]	Diam . over screen [mm]	Diámetro exterior mínimo [mm]	Diámetro o ext. máximo [mm]	Peso aprox. [kg/km]
10264332 74C068 SH C 500V 4x0.5 Cu2 K3 EG NA EN 50200/362	0,5	4	0,9	3,0	8,6	9,6	11,4	13,2	250
10253352 74C068 SH C 500V 12x0.5 Cu2 K3 EG NA EN 50200/362	0,5	12	0,9	3,0	14,9	16,2	19,1	19,9	580

Reference Name	Sección [mm <sup>2</sup> ]	Nro.Conductores	Conductor diam. [mm]	Diam . over insulation [mm]	Diam. over inner sheath [mm]	Diam . over screen [mm]	Diámetro exterior mínimo [mm]	Diámetro o ext. máximo [mm]	Peso aprox. [kg/km]
10264331 74C068 SH C 500V 3x1 Cu2 K3 EG NA EN 50200/362	1	3	1,28	3,5	8,6	9,7	11,5	13,2	260
10264330 74C068 SH C 500V 12x1 Cu2 K3 EG NA EN 50200/362	1	12	1,28	3,5	15,9	17,2	18,9	21,7	675

## SELLING AND DELIVERY INFORMATION

Minimum bending radius:

10 x outer diameter

To be doubled during laying operations

### Marking

LYNXEO 279 Nber of cores & cross-section Cu EG CST 74 C 068 K3 SH 0.3/0.5(0.6) kV EN 50200/362

YYYY Manufacturing number + metric marking