



**Reference:** 10272421  
**EAN 13:** 3427580736711

#### CONTACT

Markets and Products 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 inside of the containment area (K1)**
- Without Screen (SE)
- Unarmoured (NA)

#### STANDARDS

**Product** IEC 60228

**Test a;** 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.

#### DESIGN

##### Conductor:

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

##### Insulation:

- Zero halogen (SH), cross-linked

##### Assembling:

- Polyester tape (optional)

##### Outer sheath:

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

#### Core identification

Black cores printed with white numbers  
 Optional: with G/Y core

#### Marking

LYNXEO 279 Nber of cores & cross-section Cu CST 74 C 068 K1 SH 0.3/0.5(0.6) kV YYYY Manufacturing number + metric marking



Senza alogeno  
 IEC 60754-1; IEC 60754-2



Tensione nominale  
 U<sub>o</sub>/U (U<sub>m</sub>)  
 0.3/0.5(0.6)kV



Temperatura Operativa  
 -20 ... 60 °C



Densità fumo  
 IEC 61034-2



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



Life cycle 60years  
 Si



Resistenza U.V.  
 Si



Radiation resistant  
 Si

**CHARACTERISTICS****Caratteristiche costruttive**

|                          |                          |
|--------------------------|--------------------------|
| Materiale del conduttore | Rame nudo                |
| Tipo di conduttore       | Flessibile classe 5      |
| Isolamento               | Senza alogeni            |
| Guaina esterna           | LSZH                     |
| Senza alogeno            | IEC 60754-1; IEC 60754-2 |

**Caratteristiche dimensionali**

|   |                      |
|---|----------------------|
| Sezione del conduttore del cavo           | 0,75 mm <sup>2</sup> |
| Numero di anime                           | 7                    |
| Diametro nominale del conduttore del cavo | 1,1 mm               |
| Diametro nominale sull'isolante           | 2,3 mm               |
| Diametro esterno min                      | 9,7 mm               |
| Diametro esterno max                      | 11,2 mm              |
| Peso approssimativo del cavo              | 165 kg/km            |

**Caratteristiche elettriche**

|   |                |
|---|----------------|
| Massima resistenza el. del cond. a 20°C in c.c.       | 26 Ohm/km      |
| Maximum DC resistance of the conductor at 90°C        | 33,100 Ohm/km  |
| Reattanza a 50 Hz                                     | 0,106 Ohm/km   |
| Short Circuit Current 0,3 s Max                       | 0,2 kA         |
| Short Circuit Current 1 s Max                         | 0,11 kA        |
| Voltage Drop  | 53,1 V/A.km    |
| Impedance at 50 Hz                                    | 26 Ohm         |
| Calorific Power                                       | 2,1 MJ/m       |
| Tensione nominale U <sub>o</sub> /U (U <sub>m</sub> ) | 0.3/0.5(0.6)kV |

**Caratteristiche d'utilizzo**

|  |                                       |
|--|---------------------------------------|
| Temperatura Operativa                          | -20 ... 60 °C                         |
| Densita' fumo                                  | IEC 61034-2                           |
| Fuoco ritardante                               | NF C 32070 C1; IEC 60332-3-24 (cat.B) |
| Life cycle 60years                             | Si                                    |
| Resistenza U.V.                                | Si                                    |
| Radiation resistant                            | Si                                    |
| Loss of coolant accident resistant             | Si                                    |
| Temperatura massima di servizio del conduttore | 90 °C                                 |
| Nuclear Classification                         | Class 1 E LOCA /K1                    |

**SELLING AND DELIVERY INFORMATION**

Minimum bending radius:

10 x outer diameter  
To be doubled during laying operations