



**Reference:** 10264331  
**EAN 13:** 3427580723254

#### 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

**Product** IEC 60228

**Test 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.



Halogen free  
IEC 60754-1; IEC 60754-2



Rated Voltage U<sub>0</sub>/U<sub>i</sub>  
(Um)  
0.3/0.5(0.6)kV



Operating temp.  
-20 ... 60 °C



Smoke density  
IEC 61034-2



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



Fire resistant  
EN 50200/362



Electro magnetic  
interference  
resistance  
Yes



U.V resistance  
Yes

## CHARACTERISTICS

### Construction characteristics

Conductor material	Plain copper
Type of conductor	Stranded, class 2
Insulation	Halogen-free
Inner sheath	LSZH
Screen	Bare copper braid
Outer sheath	LSZH
Halogen free	IEC 60754-1; IEC 60754-2

### Dimensional characteristics

Conductor cross-section	1 mm <sup>2</sup>
Number of cores	3
Conductor diameter	1.28 mm
Diameter over insulation	3.5 mm
Diameter over inner sheath	8.6 mm
Diameter over screen	9.7 mm
Minimum outer diameter	11.5 mm
Maximum outer diameter	13.2 mm
Approximate weight	260 kg/km

### Electrical characteristics

Max. DC resistance of the conductor at 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
Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	0.3/0.5(0.6)kV

### Usage characteristics

Operating temperature, range	-20 ... 60 °C
Smoke density	IEC 61034-2
Fire retardant	NF C 32070 C1; IEC 60332-3-24 (cat.B)
Fire resistant	EN 50200/362
Electro magnetic interference resistance	Yes
U.V resistance	Yes
Life cycle 60years	Yes
Max. conductor temperature in service	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

**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