



**Reference:** 10272431  
**EAN 13:** 3427580736582

#### 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



Halogen free  
 IEC 60754-1; IEC 60754-2



Rated Voltage U<sub>0</sub>/U  
 (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)



Life cycle 60years  
 Yes



U.V resistance  
 Yes



Radiation resistant  
 Yes

### CHARACTERISTICS

#### Construction characteristics

Conductor material	Plain copper
Type of conductor	Flexible, Classe 5
Insulation	Halogen-free
Outer sheath	LSZH
Halogen free	IEC 60754-1; IEC 60754-2

#### Dimensional characteristics

Conductor cross-section	1.5 mm <sup>2</sup>
Number of cores	7
Conductor diameter	1.5 mm
Diameter over insulation	2.7 mm
Minimum outer diameter	10.9 mm
Maximum outer diameter	12.5 mm
Approximate weight	230 kg/km

#### Electrical characteristics

Max. DC resistance of the conductor at 20°C	13.3 Ohm/km
Maximum DC resistance of the conductor at 90°C	16.900 Ohm/km
Reactance at 50 Hz	0.098 Ohm/km
Short Circuit Current 0,3 s Max	0.39 kA
Short Circuit Current 1 s Max	0.21 kA
Voltage Drop	27.2 V/A.km
Impedance at 50 Hz	13.3 Ohm
Calorific Power	2.6 MJ/m
Rated Voltage U <sub>o</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)
Life cycle 60years	Yes
U.V resistance	Yes
Radiation resistant	Yes
Loss of coolant accident resistant	Yes
Max. conductor temperature in service	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