



**Reference:** 10176334  
**EAN 13:** 3427580464997

#### 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 inside of the containment area (K1)**
- Overall Screen (EG)
- 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. 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)

##### Inner sheath:

- Low smoke, zero halogen (LSZH)

##### 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 G/Y core

#### Marking

LYNXEO 279 Nber of cores & cross-section Cu EG 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<sub>m</sub>  
(Um)  
300/500 V



Operating temp.  
-20 ... 60 °C



Smoke density  
IEC 61034-2



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



Electro magnetic  
interference  
resistance  
Yes



Life cycle 60years  
Yes



Radiation resistant  
Yes

**CHARACTERISTICS****Construction characteristics**

Conductor material	Plain copper
Type of conductor	Stranded, class 2
Insulation	Halogen-free
Inner sheath	LSZH
Screen	Copper Braid
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	4
Conductor diameter	1.5 mm
Diameter over insulation	2.7 mm
Diameter over inner sheath	8 mm
Diameter over screen	9.1 mm
Minimum outer diameter	10.9 mm
Maximum outer diameter	12.8 mm
Approximate weight	267 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> )	300/500 V

**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)
Electro magnetic interference resistance	Yes
Life cycle 60years	Yes
Radiation resistant	Yes
Loss of coolant accident resistant	Yes
U.V resistance	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