



**Reference:** 10176402  
**EAN 13:** 3427580465673

#### 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 YYY YYY Manufacturing number + metric marking



Halogen free  
 IEC 60754-1; IEC 60754-2



Rated Voltage U<sub>o</sub>/U<sub>m</sub>  
 (Um)  
 0.3/0.5(0.6)kV



Operating temp.  
 -20 ... 60 °C



Smoke density  
 -



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	Flexible, Classe 5
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	0.5 mm <sup>2</sup>
Number of cores	27
Conductor diameter	0.9 mm
Diameter over insulation	2.1 mm
Diameter over inner sheath	15.8 mm
Diameter over screen	16.8 mm
Minimum outer diameter	18.3 mm
Maximum outer diameter	21.7 mm
Approximate weight	726 kg/km

**Electrical characteristics**

Max. DC resistance of the conductor at 20°C	39 Ohm/km
Maximum DC resistance of the conductor at 90°C	49.700 Ohm/km
Reactance at 50 Hz	0.112 Ohm/km
Short Circuit Current 0,3 s Max	0.13 kA
Short Circuit Current 1 s Max	0.07 kA
Impedance at 50 Hz	39 Ohm
Voltage Drop	69.0 V/A.km
Calorific Power	7.2 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	-
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