



Reference: 10265134
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CONTACT

Market information
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- CST 74C068
- Quality insurance according to RCC-E
- Zero halogen (SH)
- Control cables 0.6/1(1.2)kV
- **Cables installed outside the containment area (K3)**
- Overall screened (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).

DESIGN

Conductor:

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

Insulation:

- Zero halogen (SH), cross-linked

Assembling:

- An inner sheath acting as a filler or polyester tape

Screen:

- Copper wire braid (CWB) R ≥ 80%

Outer sheath:

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

CORE IDENTIFICATION

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 K3 SH 0.6/1(1.2) kV YYYY Manufacturing number + metric marking



Halogen free
IEC 60754-1; IEC 60754-2



Rated Voltage U₀/U_i
(Um)
0.6/ 1 (1.2) kV



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



U.V resistance
Yes



Life cycle 60years
Yes

CHARACTERISTICS**Construction characteristics**

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

Dimensional characteristics

Conductor cross-section	10 mm ²
Number of cores	3
Conductor diameter	3.9 mm
Diameter over insulation	5.3 mm
Diameter over screen	12.3 mm
Minimum outer diameter	15.0 mm
Maximum outer diameter	17.2 mm
Approximate weight	560 kg/km

Electrical characteristics

Max. DC resistance of the conductor at 20°C	1.83 Ohm/km
Maximum DC resistance of the conductor at 90°C	2.330 Ohm/km
Reactance at 50 Hz	0.079 Ohm/km
Short Circuit Current 0,3 s Max	2.6 kA
Short Circuit Current 1 s Max	1.4 kA
Voltage Drop	3.8 V/A.km
Impedance at 50 Hz	1.83 Ohm
Calorific Power	2.9 MJ/m
Permissible short circuit current	- kA
Rated Voltage U _o /U (U _m)	0.6/ 1 (1.2) 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)
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

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