



Reference: 10243990
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CONTACT

Market information
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- CST 74C068
- Quality insurance according to RCC-E
- Zero halogen (SH)
- Control cables 0.3/0.5 (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 Uo/U
(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	1 mm ²
Number of cores	3
Conductor diameter	1.3 mm
Diameter over insulation	2.5 mm
Diameter over inner sheath	7 mm
Diameter over screen	8.0 mm
Minimum outer diameter	10.1 mm
Maximum outer diameter	11.4 mm
Approximate weight	200 kg/km

Electrical characteristics

Max. DC resistance of the conductor at 20°C	19.5 Ohm/km
Maximum DC resistance of the conductor at 90°C	24.800 Ohm/km
Reactance at 50 Hz	0.1 Ohm/km
Short Circuit Current 0,3 s Max	0.26 kA
Short Circuit Current 1 s Max	0.14 kA
Impedance at 50 Hz	19.5 Ohm
Voltage Drop	34.5 V/A.km
Calorific Power	2 MJ/m
Rated Voltage U ₀ /U (U _m)	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