



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 outside the containment area (K3)**
- Overall screened (EG)
- Unarmoured (NA)
- **Fire resistant**

STANDARDS

Product IEC 60228

Test a; EN 50200; EN 50362; 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

Flame barrier:

- Mica tape (MGT)

Insulation:

- Zero halogen (SH), cross-linked

Assembling:

- Polyester tape (optional)

Inner sheath:

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

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.



Halogen free
 IEC 60754-1; IEC 60754-2



Operating temp.
 -20 ... 60 °C



Smoke density
 IEC 61034-2



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



Fire resistant
 EN 50200/362



Electro magnetic
 interference
 resistance
 Yes



U.V. resistance
 Yes



Life cycle 60years
 Yes

CHARACTERISTICS**Construction characteristics**

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

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

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)
Fire resistant	EN 50200/362
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

STRANDED CLASS 2

Reference	Name	Cross section [mm ²]	Nb. of cores	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. over screen [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10264332	74C068 SH C 500V 4x0.5 Cu2 K3 EG NA EN 50200/362	0.5	4	0.9	3.0	8.6	9.6	11.4	13.2	250
10253352	74C068 SH C 500V 12x0.5 Cu2 K3 EG NA EN 50200/362	0.5	12	0.9	3.0	14.9	16.2	19.1	19.9	580
10264331	74C068 SH C 500V 3x1 Cu2 K3 EG NA EN 50200/362	1	3	1.28	3.5	8.6	9.7	11.5	13.2	260

Reference	Name	Cross section [mm ²]	Nb. of cores	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. over screen [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10264330	74C068 SH C 500V 12x1 Cu2 K3 EG NA EN 50200/362	1	12	1.28	3.5	15.9	17.2	18.9	21.7	675

SELLING AND DELIVERY INFORMATION

Minimum bending radius:

- 10 x outer diameter
- To be doubled during laying operations

Marking

LYNXEO 279 Nber of cores & cross-section Cu EG CST 74 C 068 K3 SH 0.3/0.5(0.6) kV EN 50200/362
YYYY Manufacturing number + metric marking