



Reference: 10257531
EAN 13: 3427580713736

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 (K2)**
- 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).

DESIGN

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



Rated Voltage U₀/U_m
(Um)
0.3/0.5(0.6)kV



Operating temp.
-20 ... 60 °C



Smoke density
EN/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



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

Dimensional characteristics

Conductor cross-section	1.5 mm ²
Number of cores	37
Conductor diameter	1.5 mm
Diameter over insulation	3.6 mm
Diameter over inner sheath	28.6 mm
Diameter over screen	30.1 mm
Minimum outer diameter	31.5 mm
Maximum outer diameter	36.3 mm
Approximate weight	1925 kg/km

Electrical characteristics

Max. DC resistance of the conductor at 20°C	12.1 Ohm/km
Maximum DC resistance of the conductor at 90°C	15.400 Ohm/km
Reactance at 50 Hz	0.114 Ohm/km
Short Circuit Current 0,3 s Max	0.39 kA
Short Circuit Current 1 s Max	0.21 kA
Impedance at 50 Hz	12.1 Ohm
Voltage Drop	24.8 V/A.km
Calorific Power	11.3 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	EN/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
Life cycle 60years	Yes
Radiation resistant	Yes
U.V resistance	Yes
Max. conductor temperature in service	90 °C
Nuclear Classification	K2

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 K2 SH 0.3/0.5(0.6) kV EN 50200/362
YYYY Manufacturing number + metric marking