



Reference: 10213642
EAN 13: 3427580631528

CONTACT

Market information
industryprojects.business@lynxgroup.com

- 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 mm ²
Number of cores	14
Conductor diameter	1.3 mm
Diameter over insulation	3.5 mm
Diameter over inner sheath	18 mm
Diameter over screen	19.3 mm
Minimum outer diameter	20.0 mm
Maximum outer diameter	24.0 mm
Approximate weight	805 kg/km

Electrical characteristics

Max. DC resistance of the conductor at 20°C	18.1 Ohm/km
Maximum DC resistance of the conductor at 90°C	23.000 Ohm/km
Reactance at 50 Hz	0.121 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	18.1 Ohm
Voltage Drop	36.9 V/A.km
Calorific Power	5.6 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