



### CONTACT

Market information  
[industryprojects.business@lynxgroup.com](mailto: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 U<sub>0</sub>/U<sub>m</sub>  
 (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

**Electrical characteristics**

Rated Voltage U <sub>o</sub> /U (Um)	0.3/0.5(0.6)kV
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**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

**STRANDED CLASS 2**

Reference	Name	Cross section [mm <sup>2</sup> ]	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]
10213642	74C068 SH C 500V 14x1 Cu2 K2 EG NA EN 50200/362	1	14	1.3	3.5	18	19.3	20.0	24.0	805
10213643	74C068 SH C 500V 19x1 Cu2 K2 EG NA EN 50200/362	1	19	1.3	3.5	20.1	21.3	23.3	26.7	1030
10257531	74C068 SH C 500V 37x1,5 Cu2 K2 EG NA EN 50200/362	1.5	37	1.5	3.6	28.6	30.1	31.5	36.3	1925

**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