



Reference: 10272455  
EAN 13: 3427580736636

- 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)**
- Without Screen (SE)
- 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.

### DESIGN

#### Conductor:

- Stranded (class 2) or flexible (class 5) plain copper

#### Insulation:

- Zero halogen (SH), cross-linked

#### Assembling:

- Polyester tape (optional)

#### 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 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 U<sub>o</sub>/U<sub>m</sub>  
(Um)  
0.3/0.5(0.6)kV



Operating temp.  
-20 ... 60 °C



Smoke density  
IEC 61034-2



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



Life cycle 60years  
Yes



U.V resistance  
Yes



Radiation resistant  
Yes

### CHARACTERISTICS

#### Construction characteristics

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

#### Dimensional characteristics

Conductor cross-section	1.5 mm <sup>2</sup>
Number of cores	3
Conductor diameter	1.5 mm
Diameter over insulation	2.7 mm
Minimum outer diameter	8.8 mm
Maximum outer diameter	10.1 mm
Approximate weight	140 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	0.096 Ohm/km
Short Circuit Current 0,3 s Max	0.39 kA
Short Circuit Current 1 s Max	0.21 kA
Voltage Drop	24.8 V/A.km
Impedance at 50 Hz	12.1 Ohm
Calorific Power	1.7 MJ/m
Rated Voltage U <sub>o</sub> /U (U <sub>m</sub> )	0.3/0.5(0.6)kV

#### 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)
Life cycle 60years	Yes
U.V resistance	Yes
Radiation resistant	Yes
Loss of coolant accident resistant	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