



**Reference:** 10265136  
**EAN 13:** 3427580724978

### CONTACT

Market information  
 industryprojects.business@lynxgroup.com

- CST 74C068
- Quality insurance according to RCC-E
- Zero halogen (SH)
- Control cables 0.6/1(1.2)kV
- **Cables installed outside the containment area (K3)**
- Overall screened (EG)
- 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. Many of them require anti-inductive screen (EMI).

### DESIGN

#### Conductor:

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

#### Insulation:

- Zero halogen (SH), cross-linked

#### Assembling:

- An inner sheath acting as a filler or polyester tape

#### Screen:

- Copper wire braid (CWB) R ≥ 80%

#### Outer sheath:

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

### CORE IDENTIFICATION

#### Core identification

Black cores printed with white numbers  
 Optional: with G/Y core.

#### Marking

LYNXEO 279 Nber of cores & cross-section Cu EG CST 74 C 068 K3 SH 0.6/1(1.2) kV YYYY Manufacturing number + metric marking



Halogen free  
 IEC 60754-1; IEC 60754-2



Rated Voltage U<sub>0</sub>/U<sub>m</sub>  
 (Um)  
 0.6/ 1 (1.2) kV



Operating temp.  
 -20 ... 60 °C



Smoke density  
 IEC 61034-2



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



Electro magnetic  
 interference  
 resistance  
 Yes



U.V. resistance  
 Yes



Life cycle 60years  
 Yes

**CHARACTERISTICS****Construction characteristics**

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

**Dimensional characteristics**

Conductor cross-section	6 mm <sup>2</sup>
Number of cores	4
Conductor diameter	3.0 mm
Diameter over insulation	4.4 mm
Diameter over screen	11.6 mm
Minimum outer diameter	14.2 mm
Maximum outer diameter	16.4 mm
Approximate weight	485 kg/km

**Electrical characteristics**

Max. DC resistance of the conductor at 20°C	3.08 Ohm/km
Maximum DC resistance of the conductor at 90°C	3.920 Ohm/km
Reactance at 50 Hz	0.084 Ohm/km
Short Circuit Current 0,3 s Max	1.6 kA
Short Circuit Current 1 s Max	0.86 kA
Voltage Drop	6.4 V/A.km
Impedance at 50 Hz	3.08 Ohm
Calorific Power	2.5 MJ/m
Permissible short circuit current	- kA
Rated Voltage U <sub>o</sub> /U (U <sub>m</sub> )	0.6/ 1 (1.2) 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)
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

**SELLING AND DELIVERY INFORMATION**

Minimum bending radius:

10 x outer diameter  
To be doubled during laying operations

**Marking**

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