



**Reference:** 10213053  
**EAN 13:** 3427580629693

#### CONTACT

Market information  
industryprojects.business@lynx<sup>eo</sup>.com  
ogroup.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)

#### STANDARDS

**Product** IEC 60228

**Test** 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).

#### CONSTRUCTION

##### Conductor:

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

##### 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.

#### Marking

LYNXEO 279 Nber of cores & cross-section Cu EG CST 74 C 068 K2 SH 0.3/0.5 (0.6) kV YYYY Manufacturing number + metric marking



Halogen free  
IEC 60754-1; IEC 60754-2



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



Radiation resistant  
Yes

**CHARACTERISTICS****Construction characteristics**

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

**Dimensional characteristics**

Conductor cross-section	0.5 mm <sup>2</sup>
Number of cores	48
Conductor diameter	0.9 mm
Diameter over insulation	2.2 mm
Diameter over inner sheath	19.8 mm
Diameter over screen	21.3 mm
Minimum outer diameter	23.4 mm
Maximum outer diameter	27.4 mm
Approximate weight	1005 kg/km

**Electrical characteristics**

Max. DC resistance of the conductor at 20°C	36 Ohm/km
Maximum DC resistance of the conductor at 90°C	45.900 Ohm/km
Reactance at 50 Hz	0.112 Ohm/km
Short Circuit Current 0,3 s Max	0.13 kA
Short Circuit Current 1 s Max	0.07 kA
Impedance at 50 Hz	36 Ohm
Voltage Drop	73.6 V/A.km
Calorific Power	6.9 MJ/m

**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
Radiation resistant	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**

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