



**Reference:** 10194041  
**EAN 13:** 3427580560231

#### CONTACT

Markets and Products Information  
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- CST 74C068
- Quality insurance according to RCC-E
- Zero halogen (SH)
- Control cables 0.15/0.25 (0.3)kV
- **Cables installed outside of the containment area (K3)**
- Overall Screen (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).

#### DESIGN

Conductor: - Stranded plain copper (class 2)

Insulation: - Zero halogen (SH), cross-linked

Assembling: Polyester tape (optional)

Overall screen: - Copper wire braid (CWB) R ≥ 80%

Outer sheath:

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

#### Core identification

Black cores printed with white numbers

#### Marking

LYNXEO 279 Nber of cores & cross-section Cu EG CST 74 C 068 K3 SH 0.15/0.25 (0.3) kV YYY YYY 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



Max. conductor  
 temp.in service  
 90 °C

### CHARACTERISTICS

#### Construction characteristics

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

#### Dimensional characteristics

Conductor cross-section	0.44 mm <sup>2</sup>
Number of cores	48
Conductor diameter	0.9 mm
Diameter over insulation	1.8 mm
Diameter over screen	16.4 mm
Minimum outer diameter	20.2 mm
Maximum outer diameter	24.0 mm
Approximate weight	790 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	0.103 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	7.4 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
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