



**Reference:** 10194002  
**EAN 13:** 3427580560149

#### 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 YYYYY 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          | 7                    |
| Conductor diameter       | 0.9 mm               |
| Diameter over insulation | 1.8 mm               |
| Diameter over screen     | 6.5 mm               |
| Minimum outer diameter   | 8.6 mm               |
| Maximum outer diameter   | 10.0 mm              |
| Approximate weight       | 150 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                                | 1.4 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