



**Reference:** 10236246  
**EAN 13:** 3427580683329

- 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          | 12                  |
| Conductor diameter       | 1.5 mm              |
| Diameter over insulation | 2.7 mm              |
| Minimum outer diameter   | 14.4 mm             |
| Maximum outer diameter   | 16.4 mm             |
| Approximate weight       | 380 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                                   | 2.3 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