



Reference: 10176377  
EAN 13: 3427580465420

### CONTACT

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Control cables CST 74C068 for nuclear power plants, 500V halogen - free. These cables, installed outside the containment area (K3), are unarmed and designed with copper braid shield.

### 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)

#### 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  
Optional: with Y/G core

#### Marking

LYNXEO 279 Nber of cores & cross - section Cu EG CST 74 C 068 K3 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



EN/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

|  |   |                     |
|--|---|---------------------|
|  |   | Flexible, Classe 5  |
|  |   | Copper Braid        |
| Halogen free                                     | IEC 60754 - 1; IEC 60754 - 2              |                     |
|  |   | 0.5 mm <sup>2</sup> |
|  |   | 37                  |
|  |   | 0.9 mm              |
| Diameter over insulation                         | 2.1 mm                                    |                     |
| Diameter over screen                             | 15.9 mm                                   |                     |
| Minimum outer diameter                           | 19.3 mm                                   |                     |
| Maximum outer diameter                           | 22.3 mm                                   |                     |
| (      )   | 700 kg/km                                 |                     |
| 20 ° C   | DC  | 39 Ohm/km           |
| Maximum DC resistance of the conductor at 90 ° C |   | 49.700 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                               |   | 39 Ohm              |
| Voltage Drop                                     |   | 79.7 V/A.km         |
| Calorific Power                                  |   | 7.5 MJ/m            |
| 操作度范   |   | - 20 ... 60 ° C     |
|  |   | EN/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