



Reference: 10176333
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CONTACT

Market information
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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

| | | |
|--------------------------------------------------|-------------------------------------------|---------------|
| | 2 | () |
| | Copper Braid | |
| Halogen free | IEC 60754 - 1; IEC 60754 - 2 | |
| | 1.5 mm ² | |
| | 4 | |
| | 1.5 mm | |
| Diameter over insulation | 2.84 mm | |
| Diameter over screen | 7.6 mm | |
| Minimum outer diameter | 9.7 mm | |
| Maximum outer diameter | 11.2 mm | |
| () | 207 kg/km | |
| 20 ° C | DC | 12.1 Ohm/km |
| Maximum DC resistance of the conductor at 90 ° C | | 15.400 Ohm/km |
| Reactance at 50 Hz | | 0.094 Ohm/km |
| Short Circuit Current 0,3 s Max | | 0.39 kA |
| Short Circuit Current 1 s Max | | 0.21 kA |
| Impedance at 50 Hz | | 12.1 Ohm |
| Voltage Drop | | 24.8 V/A.km |
| Calorific Power | | 1.5 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