



Reference: 10176307  
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## CONTACT

Market information  
industryprojects.business@lyn  
xeogroup.com

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)  $R \geq 80\%$

### 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



无卤  
IEC 60754-1; IEC 60754-2



操作温度  
-20 ... 60 °C



烟密度  
EN/IEC 61034-2



阻燃  
NF C 32070 C1;  
IEC 60332-3-24  
(cat. B)



抗电磁干扰  
是



抗UV  
是



Life cycle  
60years  
是



芯线最高静止温度  
90 °C

## CHARACTERISTICS

## 结构特性

导体材料	裸铜
导体类型	Stranded, class 2
绝缘	无卤
屏蔽	Copper Braid
外护套	低烟无卤
无卤	IEC 60754-1; IEC 60754-2

## 尺寸特性

导线截面	1 mm <sup>2</sup>
芯线数	3
导线直径	1.3 mm
绝缘外径	2.58 mm
Diameter over screen	6.2 mm
外径最小值	8.1 mm
Maximum outer diameter	9.4 mm
近似重量	123 kg/km

## 电气特性

20° C时导体的最大直流电阻	18.1 Ohm/km
90° C时导体的最大直流电阻	23.000 Ohm/km
Reactance at 50 Hz	0.1 Ohm/km
Short Circuit Current 0,3 s Max	0.26 kA
Short Circuit Current 1 s Max	0.14 kA
Impedance at 50 Hz	18.1 Ohm
Voltage Drop	36.9 V/A. km
Calorific Power	1.2 MJ/m

## 使用特性

操作温度范围	-20 ... 60 ° C
烟密度	EN/IEC 61034-2
阻燃	NF C 32070 C1; IEC 60332-3-24 (cat. B)
抗电磁干扰	是
抗UV	是
Life cycle 60years	是
芯线最高静止温度	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