



Reference: 10176323  
Country Ref.: 01272421  
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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 mm <sup>2</sup>
	27
	1.3 mm
Diameter over insulation	2.58 mm
Diameter over screen	16.5 mm
Minimum outer diameter	20.6 mm
Maximum outer diameter	23.8 mm
( )	765 kg/km
20 ° C DC	18.1 Ohm/km
Maximum DC resistance of the conductor at 90 ° C	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	7.3 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