



Reference: 10176354  
EAN 13: 3427580465192

### 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 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	
	0.5 mm <sup>2</sup>	
	3	
	0.9 mm	
Diameter over insulation	2.1 mm	
Diameter over screen	5.3 mm	
Minimum outer diameter	7.1 mm	
Maximum outer diameter	8.4 mm	
( )	100 kg/km	
20 ° C	DC	36 Ohm/km
Maximum DC resistance of the conductor at 90 ° C		45.900 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		36 Ohm
Voltage Drop		73.6 V/A.km
Calorific Power		1 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