



Reference: 10176307
Country Ref.: 01272416
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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 ²	3
	1.3 mm	
Diameter over insulation	2.58 mm	
Diameter over screen	6.2 mm	
Minimum outer diameter	8.1 mm	
Maximum outer diameter	9.4 mm	
()	123 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		1.2 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