



**Reference:** 10176347  
**EAN 13:** 3427580465123

### 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 YYYYY Manufacturing number + metric marking



Senza alogeno  
 IEC 60754-1; IEC 60754-2



Temperatura Operativa  
 -20 ... 60 °C



Densita' fumo  
 EN/IEC 61034-2



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



Resistenza ad interferenza elettromagnetica  
 SI



Resistenza U.V.  
 SI



Life cycle 60years  
 SI



Temp. max di servizio del conduttore  
 90 °C

## CHARACTERISTICS

### Caratteristiche costruttive

Materiale del conduttore	Rame nudo
Tipo di conduttore	A trefoli, Classe 2
Isolamento	Senza alogeni
Schermo	Treccia di rame
Guaina esterna	LSZH
Senza alogeno	IEC 60754-1; IEC 60754-2

### Caratteristiche dimensionali

Sezione del conduttore del cavo	1,5 mm <sup>2</sup>
Numero di anime	27
Diametro nominale del conduttore del cavo	1,5 mm
Diametro nominale sull'isolante	2,84 mm
Diameter over screen	17,8 mm
Diametro esterno min	21,9 mm
Diametro esterno max	24,8 mm
Peso approssimativo del cavo	1018 kg/km

### Caratteristiche elettriche

Massima resistenza el. del cond. a 20°C in c.c.	12,1 Ohm/km
Maximum DC resistance of the conductor at 90°C	15,400 Ohm/km
Reattanza a 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	8 MJ/m

### Caratteristiche d'utilizzo

Temperatura Operativa	-20 ... 60 °C
Densita' fumo	EN/IEC 61034-2
Fuoco ritardante	NF C 32070 C1; IEC 60332-3-24 (cat.B)
Resistenza ad interferenza elettromagnetica	Si
Resistenza U.V.	Si
Life cycle 60years	Si
Temperatura massima di servizio del conduttore	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