



Reference: 10176327
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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 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 mm ²
Numero di anime	48
Diametro nominale del conduttore del cavo	1,3 mm
Diametro nominale sull'isolante	2,58 mm
Diameter over screen	21,6 mm
Diametro esterno min	26,0 mm
Diametro esterno max	30,1 mm
Peso approssimativo del cavo	1190 kg/km

Caratteristiche elettriche

Massima resistenza el. del cond. a 20°C in c.c.	18,1 Ohm/km
Maximum DC resistance of the conductor at 90°C	23,000 Ohm/km
Reattanza a 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	10,7 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