



**Reference:** 10176320  
**EAN 13:** 3427580464850

#### CONTACT

Market information  
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- CST 74C068
- Quality insurance according to RCC-E
- Zero halogen (SH)
- Control cables 0.3/0.5 (0.6) kV
- **Cables installed inside of the containment area (K1)**
- Overall Screen (EG)
- Unarmoured (NA)

#### STANDARDS

**Product** IEC 60228

**Test a;** 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)

##### Inner sheath:

- Low smoke, zero halogen (LSZH)

##### 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 G/Y core

#### Marking

LYNXEO 279 Nber of cores & cross-section Cu EG CST 74 C 068 K1 SH 0.3/0.5 (0.6) kV YYYY Manufacturing number + metric marking



Senza alogeno  
IEC 60754-1; IEC 60754-2



Tensione nominale  
U<sub>0</sub>/U (U<sub>m</sub>)  
0.3/0.5(0.6)kV



Temperatura Operativa  
-20 ... 60 °C



Densita' fumo  
-



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



Resistenza ad interferenza elettromagnetica  
SI



Life cycle 60years  
SI



Radiation resistant  
SI

**CHARACTERISTICS****Caratteristiche costruttive**

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

**Caratteristiche dimensionali**

Sezione del conduttore del cavo	1 mm <sup>2</sup>
Numero di anime	14
Diametro nominale del conduttore del cavo	1,3 mm
Diametro nominale sull'isolante	2,5 mm
Diametro sulla guaina interna	13,1 mm
Diameter over screen	14,4 mm
Diametro esterno min	16,3 mm
Diametro esterno max	19,5 mm
Peso approssimativo del cavo	550 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	32,0 V/A.km
Calorific Power	5,7 MJ/m
Tensione nominale U <sub>o</sub> /U (Um)	0.3/0.5(0.6)kV

**Caratteristiche d'utilizzo**

Temperatura Operativa	-20 ... 60 °C
Densita' fumo	-
Fuoco ritardante	NF C 32070 C1; IEC 60332-3-24 (cat.B)
Resistenza ad interferenza elettromagnetica	Si
Life cycle 60years	Si
Radiation resistant	Si
Loss of coolant accident resistant	Si
Resistenza U.V.	Si
Temperatura massima di servizio del conduttore	90 °C
Nuclear Classification	Class 1 E LOCA /K1

**SELLING AND DELIVERY INFORMATION**

Minimum bending radius:

10 x outer diameter  
To be doubled during laying operations