



**Reference:** 10176314  
**EAN 13:** 3427580464799

#### 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>o</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	7
Diametro nominale del conduttore del cavo	1,3 mm
Diametro nominale sull'isolante	2,5 mm
Diametro sulla guaina interna	9 mm
Diameter over screen	10,0 mm
Diametro esterno min	11,8 mm
Diametro esterno max	13,6 mm
Peso approssimativo del cavo	295 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	3,1 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