



Reference: 10176346
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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_o/U (U_m)
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	1,5 mm ²
Numero di anime	19
Diametro nominale del conduttore del cavo	1,5 mm
Diametro nominale sull'isolante	2,7 mm
Diametro sulla guaina interna	15,8 mm
Diameter over screen	17,1 mm
Diametro esterno min	19,4 mm
Diametro esterno max	22,9 mm
Peso approssimativo del cavo	860 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	0,096 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	21,4 V/A.km
Calorific Power	8 MJ/m
Tensione nominale U _o /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