



Reference: 10230519
EAN 13: 3427580672644

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 outside of the containment area (K3)**
- Overall Screen (EG)
- Armoured by braid (TZ) or tapes (AR)

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). They are well adapted to underground use.

CONSTRUCTION

Conductor:

- Stranded plain copper (class 2)

Insulation:

- Zero halogen (SH), cross-linked

Assembling:

- Polyester tape (optional)

Overall screen:

- Copper wire braid (CWB) R ≥ 80%

Inner sheath:

- Low smoke, zero halogen (LSZH)

Armour:

- Galvanized steel braid (Tz) ≤ 4 conductors
- Steel tapes (Ar) > 4 conductors

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 ARME CST 74 C 068 K3 SH
0.3/0.5 (0.6) kV YYYY Manufacturing number + metric marking



Halogen free
IEC 60754-1; IEC 60754-2



Mechanical resistance to impacts
Good



Operating temp.
-20 ... 60 °C



Smoke density
-



Fire retardant
NF C 32070 C1;
IEC 60332-3-24 (cat.B)



Electro magnetic interference resistance
Yes



U.V resistance
Yes



Life cycle 60years
Yes

CHARACTERISTICS

Construction characteristics

Conductor material	Plain copper
Type of conductor	Stranded, class 2
Insulation	Halogen-free
Screen	Bare copper braid
Inner sheath	LSZH
Armour type	Galvanized Steel Braid
Outer sheath	LSZH
Halogen free	IEC 60754-1; IEC 60754-2
With Green/Yellow core	No

Dimensional characteristics

Conductor cross-section	0.75 mm ²
Number of cores	2
Conductor diameter	1.1 mm
Diameter over insulation	2.3 mm
Diameter over screen	5.4 mm
Diameter over inner sheath	7 mm
Diameter over armour	8.5 mm
Minimum outer diameter	11.7 mm
Maximum outer diameter	13.4 mm
Approximate weight	240 kg/km

Electrical characteristics

Max. DC resistance of the conductor at 20°C	24.5 Ohm/km
Maximum DC resistance of the conductor at 90°C	31.200 Ohm/km
Reactance at 50 Hz	0.106 Ohm/km
Short Circuit Current 0,3 s Max	0.2 kA
Short Circuit Current 1 s Max	0.11 kA
Impedance at 50 Hz	24.5 Ohm
Voltage Drop	43.3 V/A.km
Calorific Power	2.3 MJ/m

Mechanical characteristics

Mechanical resistance to impacts	Good
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Usage characteristics

Operating temperature, range	-20 ... 60 °C
Smoke density	-
Fire retardant	NF C 32070 C1; IEC 60332-3-24 (cat.B)
Electro magnetic interference resistance	Yes



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Mechanical resistance to impacts
Good



Operating temp.
-20 ... 60 °C



Smoke density
-



Fire retardant
NF C 32070 C1;
IEC 60332-3-24 (cat.B)



Electro magnetic interference resistance
Yes



U.V resistance
Yes



Life cycle 60years
Yes

Usage characteristics

U.V resistance	Yes
Life cycle 60years	Yes
Max. conductor temperature in service	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

Marking

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kV YYYY Manufacturing number + metric marking



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