



**Reference:** 10263805  
**EAN 13:** 3427580722417

### CONTACT

Markets and Products 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)**
- Without Screen (SE)
- 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).

### DESIGN

#### 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)
- Colour: Grey

#### 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 G/Y core

### Marking

LYNXEO 279 Nber of cores & cross-section Cu 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



Rated Voltage U<sub>0</sub>/U<sub>m</sub>  
 (Um)  
 0.3/0.5(0.6)kV



Mechanical  
 resistance to  
 impacts  
 Good



Operating temp.  
 -20 ... 60 °C



Smoke density  
 IEC 61034-2



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



U.V resistance  
 Yes



Life cycle 60years  
 Yes

**CHARACTERISTICS****Construction characteristics**

Conductor material	Plain copper
Type of conductor	Stranded, class 2
Insulation	Halogen-free
Inner sheath	LSZH
Armour type	Double steel tapes
Outer sheath	LSZH
Halogen free	IEC 60754-1; IEC 60754-2

**Dimensional characteristics**

Conductor cross-section	1 mm <sup>2</sup>
Number of cores	4
Conductor diameter	1.3 mm
Diameter over insulation	2.5 mm
Diameter over inner sheath	8 mm
Diameter over armour	8.9 mm
Minimum outer diameter	11.7 mm
Maximum outer diameter	13.5 mm
Approximate weight	260 kg/km

**Electrical characteristics**

Max. DC resistance of the conductor at 20°C	18.1 Ohm/km
Maximum DC resistance of the conductor at 90°C	23.000 Ohm/km
Reactance at 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	2.4 MJ/m
Rated Voltage U <sub>o</sub> /U (U <sub>m</sub> )	0.3/0.5(0.6)kV

**Mechanical characteristics**

Mechanical resistance to impacts	Good
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**Usage characteristics**

Operating temperature, range	-20 ... 60 °C
Smoke density	IEC 61034-2
Fire retardant	NF C 32070 C1; IEC 60332-3-24 (cat.B)
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