



**Reference:** 10257551  
**EAN 13:** 3427580713842

#### 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)  $\leq 4$  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  $U_0/U$   
(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	Galvanized Steel Braid
Outer sheath	LSZH
Halogen free	IEC 60754-1; IEC 60754-2

**Dimensional characteristics**

Conductor cross-section	1 mm <sup>2</sup>
Number of cores	3
Conductor diameter	1.3 mm
Diameter over insulation	2.5 mm
Diameter over inner sheath	6.9 mm
Diameter over armour	8.4 mm
Minimum outer diameter	11.2 mm
Maximum outer diameter	12.9 mm
Approximate weight	230 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	2.3 MJ/m
Rated Voltage U <sub>0</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