



- CST 74C068
- Quality insurance according to RCC-E
- Zero halogen (SH)
- Control cables 0.15/0.25 (0.3)kV
- **Cables installed outside of the containment area (K3)**
- Overall Screen (EG)
- Unarmoured (NA)

### STANDARDS

**Product** IEC 60228

**Test** 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 plain copper (class 2)

Insulation: - Zero halogen (SH), cross-linked

Assembling: Polyester tape (optional)

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

#### Marking

LYNXEO 279 Nber of cores & cross-section Cu EG CST 74 C 068 K3 SH 0.15/0.25 (0.3) kV YYY Y Manufacturing number + metric marking

### CONTACT

Markets and Products Information  
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Halogen free  
IEC 60754-1; IEC 60754-2



Operating temp.  
-20 ... 60 °C



Smoke density  
IEC 61034-2



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



Max. conductor  
temp.in service  
90 °C

## CHARACTERISTICS

### Construction characteristics

Conductor material	Plain copper
Type of conductor	Stranded, class 2
Insulation	Halogen-free
Screen	Copper Braid
Outer sheath	LSZH
Halogen free	IEC 60754-1; IEC 60754-2

### Electrical characteristics

Max. DC resistance of the conductor at 20°C	36 Ohm/km
Maximum DC resistance of the conductor at 90°C	45.900 Ohm/km
Reactance at 50 Hz	0.103 Ohm/km
Short Circuit Current 0,3 s Max	0.13 kA
Short Circuit Current 1 s Max	0.07 kA
Impedance at 50 Hz	36 Ohm
Voltage Drop	73.6 V/A.km

### 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)
Electro magnetic interference resistance	Yes
U.V resistance	Yes
Life cycle 60years	Yes
Max. conductor temperature in service	90 °C
Nuclear Classification	Class 1 E Non LOCA/K3

## SECTION 0.5 MM<sup>2</sup>

Reference	Name	Nb. of cores	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over screen [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10193998	74C068 SH C 250V 2x0.5 Cu2 K3 EG NA	2	0.9	1.8	4.6	6.6	7.9	80
10193999	74C068 SH C 250V 3x0.5 Cu2 K3 EG NA	3	0.9	1.8	4.9	6.9	8.4	95
10194000	74C068 SH C 250V 4x0.5 Cu2 K3 EG NA	4	0.9	1.8	5.4	7.4	9.0	110
10194001	74C068 SH C 250V 5x0.5 Cu2 K3 EG NA	5	0.9	1.8	5.8	8.2	9.5	125
10194002	74C068 SH C 250V 7x0.5 Cu2 K3 EG NA	7	0.9	1.8	6.5	8.6	10.0	150
10194003	74C068 SH C 250V 9x0.5 Cu2 K3 EG NA	9	0.9	1.8	8.5	10.3	12.3	220
10194034	74C068 SH C 250V 10x0.5 Cu2 K3 EG NA	10	0.9	1.8	8.4	11.0	13.5	250

Reference	Name	Nb. of cores	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over screen [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10194035	74C068 SH C 250V 12x0.5 Cu2 K3 EG NA	12	0.9	1.8	8.8	11.7	13.5	270
10194036	74C068 SH C 250V 14x0.5 Cu2 K3 EG NA	14	0.9	1.8	9.2	12.4	14.2	300
10194037	74C068 SH C 250V 19x0.5 Cu2 K3 EG NA	19	0.9	1.8	9.9	14.0	15.9	380
10194038	74C068 SH C 250V 24x0.5 Cu2 K3 EG NA	24	0.9	1.8	12.2	16.0	18.3	470
10194039	74C068 SH C 250V 27x0.5 Cu2 K3 EG NA	27	0.9	1.8	12.5	16.5	19.0	520
10194040	74C068 SH C 250V 37x0.5 Cu2 K3 EG NA	37	0.9	1.8	14.4	18.0	21.0	620
10194041	74C068 SH C 250V 48x0.5 Cu2 K3 EG NA	48	0.9	1.8	16.4	20.2	24.0	790

## SELLING AND DELIVERY INFORMATION

### Minimum bending radius:

10 x outer diameter  
To be doubled during laying operations