



### CONTACT

Markets and Products Information  
[rollingstock.business@lynxéogroup.com](mailto:rollingstock.business@lynxéogroup.com)

- Instrumentation cables 150/250(300) V
- CST 74C068
- Zero halogen (SH)
- **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 instrumentation cables allow connection to a variety of measurement equipment. Many of them require anti-inductive screen (EMI).

### CONSTRUCTION

#### Design

Conductor:

Stranded bare copper (class 2)

Insulation:

Cross-linked halogen free (SH)

Assembling tape (optional):

Overall screen:

Copper wire braid (CWB)

Outer sheath:

Low smoke, zero halogen (LSZH)

Colour: white

#### Core identification

Black cores printed with white numbers

#### Marking

LYNXEO 279 Nber of pairs, triads or quads & cross-section Cu EG CST 74 C 068 00 K3 SH 0.15/0.25 (0.3) kV YYYY Manufacturing number + metric marking



Halogen free  
IEC 60754-1



Rated Voltage U<sub>o</sub>/U  
(Um)  
150 / 250 (300) V



Standard  
IEC 60332-3-23 (B)  
NF C 32070 C1; IEC  
60332-3-24 (cat.B)  
EN/IEC 61034-2  
Quality insurance according of RCC-E



Smoke density  
EN/IEC 61034-2



Electro magnetic  
interference resistance  
Yes



Operating temp.  
-20 ... 60 °C



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	Halogen free
Halogen free	IEC 60754-1

### Dimensional characteristics

Conductor cross-section	0.5 mm <sup>2</sup>
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### Electrical characteristics

Rated Voltage U <sub>o</sub> /U (Um)	150 / 250 (300) V
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### Usage characteristics

Fire retardant	NF C 32070 C1; IEC 60332-3-24 (cat.B)
Smoke density	EN/IEC 61034-2
Electro magnetic interference resistance	Yes
Operating temperature, range	-20 ... 60 °C
Max. conductor temperature in service	90 °C
Nuclear Classification	Class 1 E Non LOCA/K3

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

Reference	Name	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over screen [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10216802	74C068 SH M 1P0.5 Cu2 K3 150/250V EG NA	0.9	1.9	4.8	6.7	7.9	82
	74C068 SH M 1T0,5 Cu2 K3 150/250V EG NA	0.9	1.9	4.9	7.2	8.5	99
	74C068 SH M 2P0,5 (QE) Cu2 K3 150/250V EG NA	0.9	1.9	5.0	7.4	9.2	114
	74C068 SH M 1Q0,5 Cu2 K3 150/250V EG NA	0.9	1.9	5.3	7.4	9.2	114
	74C068 SH M 2T0,5 Cu2 K3 150/250V EG NA	0.9	1.9	7.5	10.1	11.2	172
10216803	74C068 SH M 2P0,5 Cu2 K3 150/250V EG NA	0.9	1.9	8.0	10.4	12.0	153
	74C068 SH M 3T0,5 Cu2 K3 150/250V EG NA	0.9	1.9	9.5	12.3	13.8	236



Halogen free  
IEC 60754-1



Rated Voltage U<sub>o</sub>/U (Um)  
150 / 250 (300) V



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



Smoke density  
EN/IEC 61034-2



Electro magnetic interference resistance  
Yes



Operating temp.  
-20 ... 60 °C



Max. conductor temp.in service  
90 °C

Reference Name	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over screen [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
74C068 SH M 6P0,5 Cu2 K3 150/250V EG NA	0.9	1.9	11.3	14.0	15.5	310
74C068 SH M 6T0,5 Cu2 K3 150/250V EG NA	0.9	1.9	12.5	16.2	18.3	435
74C068 SH M 12P0,5 Cu2 K3 150/250V EG NA	0.9	1.9	14.9	18.1	20.0	525

## SELLING AND DELIVERY INFORMATION

Minimum bending radius:

10 x outer diameter  
To be doubled during laying operations

2 pair cables (QE) assembled as a quad (1, 3, 2, 4)

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KV YYYY Manufacturing number + metric marking



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IEC 60754-1



Rated Voltage U<sub>o</sub>/U<sub>m</sub>  
(Um)  
150 / 250 (300) V



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NF C 32070 C1; IEC  
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