



### CONTACT

Market information  
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- Instrumentation cables 300/500(600) 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).

### DESIGN

#### Conductor:

Flexible bare copper (class 5)

#### 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

### STANDARD

IEC 60332-3-23(B)

Quality insurance according to RCC-E



Halogen free  
IEC 60754-1



Rated Voltage U<sub>o</sub>/U  
(Um)  
300/500 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

## CHARACTERISTICS

### Construction characteristics

Conductor material	Plain copper
Type of conductor	Flexible, Classe 5
Insulation	Halogen-free
Screen	Copper Braid
Outer sheath	Halogen free
Halogen free	IEC 60754-1

### Electrical characteristics

Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	300/500 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 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]
	74C068 SH M 1P0.5 Cu5 K3 EG NA	0.9	2.1	4.8	6.8	8.0	82
10213524	74C068 SH M 2P0,5 (QE) Cu5 K3 EG NA	0.9	2.1	5.8	7.8	9.3	114
10213525	74C068 SH M 6P0,5 Cu5 K3 EG NA	0.9	2.1	12.6	15.7	17.3	310
10213526	74C068 SH M 12P0,5 Cu5 K3 EG NA	0.9	2.1	16.5	20.3	22.4	525

## SECTION 1 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]
10176405	74C068 SH M 1P1 Cu5 K3 EG NA	1.3	2.58	5.9	7.6	8.9	106
10176409	74C068 SH M 1T1 Cu5 K3 EG NA	1.3	2.58	6.3	8.0	9.3	123



Halogen free  
IEC 60754-1



Rated Voltage U<sub>0</sub>/U (U<sub>m</sub>)  
300/500 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 1Q1 Cu5 K3 EG NA	1.3	2.58	7.0	8.7	10.1	150
10213515	74C068 SH M 2P1(QE) Cu5 K3 EG NA	1.3	2.58	7.0	8.7	10.1	150
	74C068 SH M 2T1 Cu5 K3 EG NA	1.3	2.58	9.9	11.8	13.5	228
10176448	74C068 SH M 2P1 Cu5 K3 EG NA	1.3	2.58	10.3	11.9	13.6	247
	74C068 SH M 3P1 Cu5 K3 EG NA	1.3	2.58	11.2	13.7	14.2	250
	74C068 SH M 4P1 Cu5 K3 EG NA	1.3	2.58	12.1	14.6	16.6	280
	74C068 SH M 3T1 Cu5 K3 EG NA	1.3	2.58	12.5	14.6	16.6	318
10176407	74C068 SH M 6P1 Cu5 K3 EG NA	1.3	2.58	15.5	18.0	20.4	456
	74C068 SH M 8P1 Cu5 K3 EG NA	1.3	2.58	16.1	19.5	22.1	520
	74C068 SH M 6T1 Cu5 K3 EG NA	1.3	2.58	16.7	19.6	22.2	602
	74C068 SH M 8T1 Cu5 K3 EG NA	1.3	2.58	19.1	22.1	25.1	740
10176408	74C068 SH M 12P1 Cu5 K3 EG NA	1.3	2.58	19.5	23.2	26.3	750
	74C068 SH M 24P1 Cu5 K3 EG NA	1.3	2.58	27.3	31.3	35.5	1260
	74C068 SH M 21T1 Cu5 K3 EG NA	1.3	2.58	29.4	33.4	37.8	1611

## 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)

### Marking

LYNXEO 279 Nber of pairs, triads or quads & cross-section Cu EG CST 74 C 068 00 K3 SH 0.3/0.5 (0.6)  
kV YYYY Manufacturing number + metric marking



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IEC 60754-1



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(Um)  
300/500 V



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60332-3-24 (cat.B)



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