



### CONTACT

Market information  
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- Instrumentation cables 300/500(600) V
- CST 74C068
- Zero halogen (SH)
- **Cables installed inside of the containment area (K1)**
- 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:

Flexible bare copper (class 5)

##### Insulation:

Cross-linked halogen free (SH)

##### Assembling tape (optional):

##### Inner sheath:

Low smoke, zero halogen (LSZH)

##### Overall screen:

Copper wire braid (CWB)

##### Outer sheath:

Low smoke, zero halogen (LSZH)

Colour: white

### Core identification

Black cores printed with white numbers



Halogen free  
IEC 60754-1



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



**Marking**  
 LYNXEO 279 Nber of pairs or triads & cross section 0.3/0.5 (0.6) kV YYY YYY Manufacturing number + metric marking  
 Fire retardant: NF C 32070 C1; IEC 60332-3-24 (cat. B)  
 Smoke density: EN/IEC 61034-2  
 Electromagnetic interference resistance: Yes  
 Life cycle: 60 years  
 Radiation resistant: Yes  
 LOCA: Yes



Electromagnetic interference resistance  
Yes



LIFE TIME  
60  
Yes



Radiation resistant  
Yes



LOCA  
Yes

### Standard

IEC 60332-3-23(B)

## CHARACTERISTICS

### Construction characteristics

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

### Dimensional characteristics

Conductor cross-section	1.5 mm <sup>2</sup>
Conductor diameter	1.5 mm
Diameter over insulation	2.78 mm
Diameter over inner sheath	7 mm
Diameter over screen	7.79 mm
Minimum outer diameter	9.9 mm
Maximum outer diameter	11.4 mm
Approximate weight	196 kg/km

### 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
Life cycle 60years	Yes
Radiation resistant	Yes
Loss of coolant accident resistant	Yes
Max. conductor temperature in service	90 °C
Operating temperature, range	-20 ... 60 °C
Nuclear Classification	Class 1 E LOCA /K1

## SELLING AND DELIVERY INFORMATION

Minimum bending radius:

8 x outer diameter  
To be doubled during laying operations

2 pair cables (QE) are assembled as a quad (1.3.2.4)



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



Life cycle 60years  
Yes



Radiation resistant  
Yes



LOCA  
Yes

### Marking

LYNXEO 279 Nber of pairs or triads & cross-section Cu EG CST 74 C 068 00 K1 SH 0.3/0.5 (0.6)  
 kV YYYY Manufacturing number + metric marking



Halogen free  
IEC 60754-1



Rated Voltage U<sub>0</sub>/U<sub>i</sub>  
(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



Life cycle 60years  
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Radiation resistant  
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LOCA  
Yes