



### 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>0</sub>/U<sub>m</sub>  
(Um)  
300/500 V



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



Electromagnetic  
interference  
resistance  
Yes



LIFE TIME  
60  
Yes



Radiation resistant  
Yes



LOCA  
Yes

**Marking**  
 LYNXEO 279 Nber of pairs or triads & cross section 0.3/0.5 (0.6) kV YYYYY Manufacturing number + metric marking  
 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 |
|---|-----------|

#### 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



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