



**Reference:** 10176405  
**Country Ref.:** 01272431  
**EAN 13:** 3427580465703

#### CONTACT

Market information  
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 ogroup.com

- 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        |

### Dimensional characteristics

|                          |                   |
|--------------------------|-------------------|
| Conductor cross-section  | 1 mm <sup>2</sup> |
| Conductor diameter       | 1.3 mm            |
| Diameter over insulation | 2.58 mm           |
| Diameter over screen     | 5.9 mm            |
| Minimum outer diameter   | 7.6 mm            |
| Maximum outer diameter   | 8.9 mm            |
| Approximate weight       | 106 kg/km         |

### Electrical characteristics

|   |           |
|---|-----------|
| Rated Voltage U <sub>o</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                                   |
| Operating temperature, range             | -20 ... 60 °C                         |
| Max. conductor temperature in service    | 90 °C                                 |
| Nuclear Classification                   | Class 1 E Non LOCA/K3                 |

## 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



Halogen free  
IEC 60754-1



Rated Voltage U<sub>o</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



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interference resistance  
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Max. conductor temp.in  
service  
90 °C