



### CONTACT

Market information  
[industryprojects.business@lynxgroup.com](mailto:industryprojects.business@lynxgroup.com)

- 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



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



Smoke density  
EN/IEC 61034-2



Electromagnetic  
interference  
resistance  
Yes



Life Cycle 60years  
Yes



Radiation resistant  
Yes



LOCA  
Yes

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

Standard

IEC 60332-3-23(B)

Quality insurance according to BCC-F

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of LynxEO is indicative only and shall not be binding on LynxEO or be treated as constituting a representation on the part of LynxEO.

### 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 mm <sup>2</sup>
Conductor diameter	1.3 mm
Diameter over insulation	2.58 mm
Diameter over inner sheath	11.3 mm
Diameter over screen	12.1 mm
Minimum outer diameter	14.4 mm
Maximum outer diameter	16.4 mm
Approximate weight	342 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 Uo/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



Life cycle 60years  
Yes



Radiation resistant  
Yes



LOCA  
Yes