



**Reference:** 10176448  
**EAN 13:** 3427580466137

#### 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	10.3 mm
Minimum outer diameter	11.9 mm
Maximum outer diameter	13.6 mm
Approximate weight	247 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
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>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  
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service  
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