



#### CONTACT

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

- Low voltage cables 0.6/1 (1.2) V
- CST 74C068
- Zero halogen (SH)
- **Cables installed inside of the containment area (K1)**
- Unarmoured (NA)

#### STANDARDS

**Product** IEC 60228

**Test** IEC 60332-3-23; IEC 60754-1; IEC 61034-2; NF C32-070/C1

#### APPLICATIONS

These low voltage cables are used for lighting system power supply, engine power supply and solenoid valve power supply.

#### DESIGN

##### Design

Conductor:

Stranded bare copper or aluminium (class 2)

Insulation:

Cross-linked halogen free (SH)

Covering (optional):

Halogen free

Outer sheath:

Low smoke, zero halogen (LSZH)

Colour: Blue

#### Core identification

According to HD308 S2

#### Marking

LYNXEO 279 Nber of cores & cross-section Cu/Al CST 74 C 068 00 K1 SH 0.6/1 (1.2) kV YYYY Manufacturing number + metric marking

#### STANDARD



Halogen free  
IEC 60754-1



Rated Voltage U<sub>0</sub>/U  
(Um)  
0.6/1 (1.2) kV



Fire retardant  
NF C 32070 C1;  
IEC 60332-3-23  
(cat. B)

Smoke density  
EN/IEC 61034-2



Radiation resistant  
Yes



LOCA  
Yes



Life cycle 60years  
Yes



Max. conductor  
temp. in service  
90 °C

### CHARACTERISTICS

#### Construction characteristics

Conductor material	Plain copper
Type of conductor	Stranded, class 2
Insulation	Halogen-free
Outer sheath	Halogen-free
Halogen free	IEC 60754-1

#### Dimensional characteristics

Conductor cross-section	70 mm <sup>2</sup>
Number of cores	4
Conductor diameter	9.8 mm
Diameter over insulation	12.0 mm
Minimum outer diameter	34.0 mm
Maximum outer diameter	37.5 mm
Approximate weight	3428 kg/km

#### Electrical characteristics

Rated Voltage U <sub>o</sub> /U (Um)	0.6/ 1 (1.2) kV
--------------------------------------	-----------------

#### Usage characteristics

Fire retardant	NF C 32070 C1; IEC 60332-3-24 (cat.B)
Smoke density	EN/IEC 61034-2
Radiation resistant	Yes
Loss of coolant accident resistant	Yes
Life cycle 60years	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



Halogen free  
IEC 60754-1



Rated Voltage U<sub>o</sub>/U (Um)  
0.6/ 1 (1.2) kV



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



Smoke density  
EN/IEC 61034-2



Radiation resistant  
Yes



LOCA  
Yes



Life cycle 60years  
Yes



Max. conductor temp. in service  
90 °C