



**Reference:** 10189567  
**EAN 13:** 3427580538605

#### CONTACT

Market information  
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Low voltage cables CST 74C068 for nuclear power plants, 0.6/1kV halogen-free. These cables are intended to be installed outside the containment area (K1).

#### 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

##### Standard



Halogen free  
 IEC 60754-1



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



IEC 60332-3-23(B)  
 Quality insurance according to FCC-E

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

### 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	2.5 mm <sup>2</sup>
Number of cores	3
Conductor diameter	2.0 mm
Diameter over insulation	3.4 mm
Minimum outer diameter	11.2 mm
Maximum outer diameter	12.6 mm
Approximate weight	251 kg/km

#### Electrical characteristics

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