



CONTACT

Market information
 industryprojects.business@lynx^{eo}.com
 lynx^{eo}.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 U₀/U_m
(Um)
0.6/ 1 (1.2) kV



Standard
IEC 60332-3-23(B)
Fire retardant
NF C 32070 C1;
EN/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	Aluminum
Type of conductor	Stranded, class 2
Insulation	Halogen-free
Outer sheath	Halogen-free
Halogen free	IEC 60754-1

Dimensional characteristics

Conductor cross-section	630 mm ²
Number of cores	1
Conductor diameter	30.3 mm
Diameter over insulation	35.1 mm
Minimum outer diameter	42.2 mm
Maximum outer diameter	46.5 mm
Approximate weight	2957 kg/km

Electrical characteristics

Rated Voltage U _o /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_o/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