



CONTACT

Market information
 industryprojects.business@lynx^{eo}.com
 ogroup.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 61034-2
Smoke density
EN/IEC 61034-2
insurance according to RCC-E
(cat. B)



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