



**Reference:** 10224741  
**EAN 13:** 3427580656453

#### CONTACT

Market information  
 industryprojects.business@lynxgroup.com

- Low voltage cables 0.6/1 (1.2) V
- CST 74C068
- Zero halogen (SH)
- **Cables installed outside of the containment area (K3)**
- Armoured (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. They are well adapted to under ground use.

#### DESIGN

##### Design

Conductor:

Stranded bare copper or aluminium (class 2)

Insulation:

Cross-linked halogen free (SH)

Covering (optional):

Flame retardant filler material

Inner sheath:

Low smoke, zero halogen (LSZH)

Armour:

Steel tape (STA) or aluminium tape (ATA) for 1 core cable

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 Armé CST 74C 068 00 K3 SH 0.6/1 (1.2) kV YYYY Manufacturing number + metric marking



Halogen free  
IEC 60754-1



Rated Voltage Uo/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



Operating temp.  
-20 ... 60 °C



Max. conductor temp.in service  
90 °C

#### STANDARD

#### Standard

All drawings, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of LynxEO is indicative only and shall not be binding on LynxEO or be treated as constituting a representation on the part of LynxEO.  
 Quality insurance according to ISO 9001

## 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       |
| With Green/Yellow core | Yes               |

### Dimensional characteristics

|                          |                     |
|--------------------------|---------------------|
| Conductor cross-section  | 2.5 mm <sup>2</sup> |
| Number of cores          | 4                   |
| Conductor diameter       | 1.91 mm             |
| Diameter over insulation | 3.27 mm             |
| Diameter over armour     | 11.8 mm             |
| Minimum outer diameter   | 14.6 mm             |
| Maximum outer diameter   | 17.0 mm             |
| Approximate weight       | 428 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                        |
| 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



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



Operating temp.  
-20 ... 60 °C



Max. conductor temp.in  
service  
90 °C