



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

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 K3 SH 0.6/1 (1.2) kV YYYY Manufacturing number + metric marking

STANDARD

IEC 60332-3-23(B)

Quality insurance according to RCC-E



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



Operating temp.
 -20 ... 60 °C



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 |
| With Green/Yellow core | No |

Dimensional characteristics

| | |
|--------------------------|---------------------|
| Conductor cross-section | 240 mm ² |
| Number of cores | 3 |
| Conductor diameter | 18.0 mm |
| Diameter over insulation | 21.4 mm |
| Minimum outer diameter | 53.8 mm |
| Maximum outer diameter | 59.3 mm |
| Approximate weight | 4649 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 |
| 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:

- 8 x outer diameter
- To be doubled during laying operations



Halogen free
IEC 60754-1



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