

74C068 SH P ... K3 NA

74C068 SH P 3X400 Alu2 K3 NA

Contact

Market information
industryprojects.business@nexans.com

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).

DESCRIPTION

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

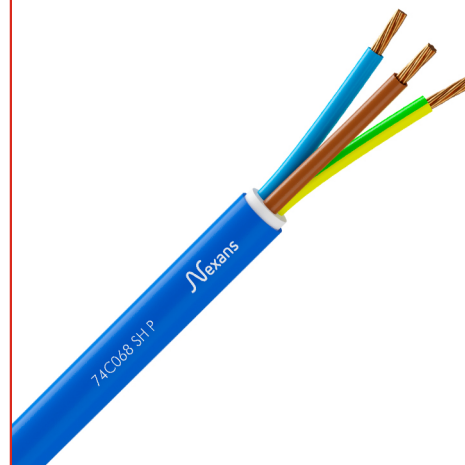
Marking

NEXANS 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



STANDARDS

International IEC 60228;
IEC 60332-3-23; IEC 60754-1;
IEC 61034-2

National NF C 32-070/C1



Halogen free
IEC 60754-1



Rated Voltage Uo/U (Um)
0.6/ 1 (1.2) kV



Fire retardant
NFC 32070 C1/IEC 60332-3-23(B)



Smoke density
EN/IEC 61034-2



Operating temp.
-20 - 60 °C



Max. conductor temp. in service
90 °C

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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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 | 400 mm ² |
| Number of cores | 3 |
| Conductor diameter | 23.2 mm |
| Diameter over insulation | 27.2 mm |
| Minimum outer diameter | 66.9 mm |
| Maximum outer diameter | 73.8 mm |
| Approximate weight | 7210 kg/km |

Electrical characteristics

| | |
|---|-----------------|
| Rated Voltage U _o /U (U _m) | 0.6/ 1 (1.2) kV |
|---|-----------------|

Usage characteristics

| | |
|---------------------------------------|--------------------------------|
| Fire retardant | NFC 32070 C1/IEC 60332-3-23(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



Rated Voltage U_o/U (U_m)
0.6/ 1 (1.2) kV



Fire retardant
NFC 32070 C1/IEC 60332-3-23(B)



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