



Reference: 10257550
EAN 13: 3427580713835

CONTACT

Markets and Products Information
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Control cables CST 74C068 for nuclear power plants, 500V halogen-free. These cables, installed outside the containment area (K3), are unarmed and without shielding.

STANDARDS

Producto IEC 60228

Ensayo a; IEC 60332-3-23; IEC 60754-1; IEC 61034-2; NF C32-070/C1

APPLICATIONS

These control cables allow connection to a variety of industrial equipment from control room.

DESIGN

Conductor:

- Stranded (class 2) or flexible (class 5) plain copper

Insulation:

- Zero halogen (SH), cross-linked

Assembling:

- Polyester tape (optional)

Outer sheath:

- Low smoke, zero halogen (LSZH)

- Colour: Grey

Core identification

Black cores printed with white numbers

Optional: with Y/G core



Libre de halógenos
-



Tensión nominal de servicio U_o/U
0.3/0.5(0.6)kV



Temp. ambiente de utilización
-20 ... 60 °C



Densidad de los humos
IEC 61034-2



No propagador del incendio
NF C 32070 C1;
IEC 60332-3-24
(cat.B)



Resistencia a radiaciones ultravioletas
SI



Life cycle 60years
Yes



Max.conductor temp.in service
90 °C

CHARACTERISTICS

Características de construcción

| | |
|------------------------|-------------------|
| Material del conductor | Plain copper |
| Type of conductor | Stranded, class 2 |
| Aislamiento | Halogen-free |
| Cubierta exterior | LSZH |
| Libre de halógenos | - |

Características dimensionales

| | |
|----------------------------|-------------------|
| Sección del conductor | 1 mm ² |
| Número de conductores | 14 |
| Diámetro del conductor | 1,3 mm |
| Diámetro sobre aislamiento | 2,5 mm |
| Diámetro exterior mínimo | 13,6 mm |
| Diámetro exterior máximo | 15,6 mm |
| Peso aproximado | 340 kg/km |

Características eléctricas

| | |
|--|----------------|
| Resistencia máxima del conductor en CC a 20° C | 18,1 Ohm/km |
| Maximum DC resistance of the conductor at 90°C | 23,000 Ohm/km |
| Reactance at 50 Hz | 0,1 Ohm/km |
| Short Circuit Current 0,3 s Max | 0,26 kA |
| Short Circuit Current 1 s Max | 0,14 kA |
| Impedance at 50 Hz | 18,1 Ohm |
| Voltage Drop | 36,9 V/A.km |
| Calorific Power | 2,2 MJ/m |
| Tensión nominal de servicio U ₀ /U | 0.3/0.5(0.6)kV |

Características de uso

| | |
|---|---------------------------------------|
| Temperatura ambiente de utilización (rango) | -20 ... 60 °C |
| Densidad de los humos | IEC 61034-2 |
| No propagador del incendio | NF C 32070 C1; IEC 60332-3-24 (cat.B) |
| Resistencia a radiaciones ultravioletas | Sí |
| Life cycle 60years | Yes |
| Temperatura máxima del conductor | 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

Marking

LYNXEO 279 Nber of cores & cross-section Cu CST 74 C 068 K3 SH 0.3/0.5(0.6) kV YYYY Manufacturing number + metric marking