



Reference: 10176341
Country Ref.: 01272427
EAN 13: 3427580465062

CONTACT

Market information
 industryprojects.business@lynx^{eo}.group.com

Control cables CST 74C068 for nuclear power plants, 500V halogen-free. These cables, installed outside the containment area (K3), are unarmed and designed with copper braid shield.

STANDARDS

Producto IEC 60228

Ensayo 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. Many of them require anti-inductive screen (EMI).

CONSTRUCTION

Conductor:

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

Insulation:

- Zero halogen (SH), cross linked

Assembling:

- Polyester tape (optional)

Overall screen:

- Copper wire braid (CWB) R ≥ 80%

Outer sheath:

- Low smoke, zero halogen (LSZH)

- Colour: Grey

Core identification

Black cores printed with white numbers

Optional: with Y/G core

Marking

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



Libre de halógenos
 IEC 60754-1; IEC 60754-2



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



Densidad de los humos
 EN/IEC 61034-2



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



Resistencia a interferencias electromagnéticas
 SI



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
Pantalla	Copper Braid
Cubierta exterior	LSZH
Libre de halógenos	IEC 60754-1; IEC 60754-2

Características dimensionales

Sección del conductor	1,5 mm ²
Número de conductores	12
Diámetro del conductor	1,5 mm
Diámetro sobre aislamiento	2,84 mm
Diameter over screen	12,3 mm
Diámetro exterior mínimo	15,2 mm
Diámetro exterior máximo	17,3 mm
Peso aproximado	489 kg/km

Características eléctricas

Resistencia máxima del conductor en CC a 20° C	12,1 Ohm/km
Maximum DC resistance of the conductor at 90°C	15,400 Ohm/km
Reactance at 50 Hz	0,094 Ohm/km
Short Circuit Current 0,3 s Max	0,39 kA
Short Circuit Current 1 s Max	0,21 kA
Impedance at 50 Hz	12,1 Ohm
Voltage Drop	24,8 V/A.km
Calorific Power	3,9 MJ/m

Características de uso

Temperatura ambiente de utilización (rango)	-20 ... 60 °C
Densidad de los humos	EN/IEC 61034-2
No propagador del incendio	NF C 32070 C1; IEC 60332-3-24 (cat.B)
Resistencia a interferencias electromagnéticas	Sí
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