



CONTACT

Market information
industryprojects.business@lynxeogroup.com

- CST 74C068
- Quality insurance according to RCC-E
- Zero halogen (SH)
- Control cables 0.6/1(1.2)kV
- **Cables installed outside the containment area (K3)**
- Overall screened (EG)
- Unarmoured (NA)

STANDARDS

Product IEC 60228

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

DESIGN

Conductor:

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

Insulation:

- Zero halogen (SH), cross-linked

Assembling:

- An inner sheath acting as a filler or polyester tape

Screen:

- Copper wire braid (CWB) R ≥ 80%

Outer sheath:

- Low smoke, zero halogen (LSZH)
- Colour: Grey

CORE IDENTIFICATION

Core identification

Black cores printed with white numbers
 Optional: with G/Y core.

Marking

LYNXEO 279 Nber of cores & cross-section Cu EG CST 74 C 068 K3 SH 0.6/1(1.2) kV YYYY Manufacturing number + metric marking



Halogen free
 IEC 60754-1; IEC 60754-2



Operating temp.
 -20 ... 60 °C



Smoke density
 IEC 61034-2



Fire retardant
 NF C 32070 C1;
 IEC 60332-3-24
 (cat.B)



Electro magnetic
 interference
 resistance
 Yes



U.V resistance
 Yes



Life cycle 60years
 Yes



Max.conductor
 temp.in service
 90 °C

CHARACTERISTICS**Construction characteristics**

Conductor material	Plain copper
Insulation	Halogen-free
Type of conductor	Stranded, class 2
Screen	Bare copper braid
Outer sheath	LSZH
Halogen free	IEC 60754-1; IEC 60754-2

Electrical characteristics

Permissible short circuit current	- kA
-----------------------------------	------

Usage characteristics

Operating temperature, range	-20 ... 60 °C
Smoke density	IEC 61034-2
Fire retardant	NF C 32070 C1; IEC 60332-3-24 (cat.B)
Electro magnetic interference resistance	Yes
U.V resistance	Yes
Life cycle 60years	Yes
Max. conductor temperature in service	90 °C
Nuclear Classification	Class 1 E Non LOCA/K3

STRANDED CLASS 2

Reference	Name	Cross section [mm ²]	Nb. of cores	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over screen [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10265083	74C068 SH C 0.6/1kV 3x6 Cu2 K3 EG NA	6	3	3.0	4.4	10.3	13.1	15.1	400
10265136	74C068 SH C 0.6/1kV 4x6 Cu2 K3 EG NA	6	4	3.0	4.4	11.6	14.2	16.4	485
10265134	74C068 SH C 0.6/1kV 3x10 Cu2 K3 EG NA	10	3	3.9	5.3	12.3	15.0	17.2	560
10265135	74C068 SH C 0.6/1kV 3x16 Cu2 K3 EG NA	16	3	4.9	6.3	14.7	17.1	19.7	795

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