



CONTACT

Market information
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- CST 74C068
- Quality insurance according to RCC-E
- Zero halogen (SH)
- Control cables 0.3/0.5 (0.6) kV
- **Cables installed inside of the containment area (K1)**
- Overall Screen (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).

CONSTRUCTION

Conductor:

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

Insulation:

- Zero halogen (SH), cross-linked

Assembling:

- Polyester tape (optional)

Inner sheath:

- Low smoke, zero halogen (LSZH)

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 G/Y core

Marking

LYNXEO 279 Nber of cores & cross-section Cu EG CST 74 C 068 K1 SH 0.3/0.5 (0.6) kV YYYY Manufacturing number + metric marking



Halogen free
 IEC 60754-1; IEC 60754-2



Operating temp.
 -20 ... 60 °C



Smoke density
 -



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



Electro magnetic
 interference
 resistance
 Yes



Life cycle 60years
 Yes



Radiation resistant
 Yes



LOCA
 Yes

CHARACTERISTICS

Construction characteristics

Conductor material	Plain copper
Insulation	Halogen-free
Inner sheath	LSZH
Screen	Copper Braid
Outer sheath	LSZH
Halogen free	IEC 60754-1; IEC 60754-2

Usage characteristics

Operating temperature, range	-20 ... 60 °C
Smoke density	-
Fire retardant	NF C 32070 C1; IEC 60332-3-24 (cat.B)
Electro magnetic interference resistance	Yes
Life cycle 60years	Yes
Radiation resistant	Yes
Loss of coolant accident resistant	Yes
U.V resistance	Yes
Max. conductor temperature in service	90 °C
Nuclear Classification	Class 1 E LOCA /K1

STRANDED CLASS 2

Reference	Name	Cross section [mm ²]	Nb. of cores	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. over screen [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10176306	74C068 SH C 500V 2x1 Cu2 K1 EG NA	1	2	1.3	2.5	6.6	7.6	9.5	11.0	185
10176308	74C068 SH C 500V 3x1 Cu2 K1 EG NA	1	3	1.3	2.5	6.9	8.0	10.1	11.4	205
10176310	74C068 SH C 500V 4x1 Cu2 K1 EG NA	1	4	1.3	2.5	7.6	8.6	10.6	12.2	230
10176314	74C068 SH C 500V 7x1 Cu2 K1 EG NA	1	7	1.3	2.5	9	10.0	11.8	13.6	295
10176316	74C068 SH C 500V 9x1 Cu2 K1 EG NA	1	9	1.3	2.5	11.1	12.1	13.7	16.5	400
10176318	74C068 SH C 500V 12x1 Cu2 K1 EG NA	1	12	1.3	2.5	12.4	13.4	15.1	18.0	470
10176320	74C068 SH C 500V 14x1 Cu2 K1 EG NA	1	14	1.3	2.5	13.1	14.4	16.3	19.5	550

Reference	Name	Cross section [mm ²]	Nb. of cores	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. over screen [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10176330	74C068 SH C 500V 2x1,5 Cu2 K1 EG NA	1.5	2	1.5	2.7	6.9	8.0	10.1	11.5	205
10176332	74C068 SH C 500V 3x1,5 Cu2 K1 EG NA	1.5	3	1.5	2.7	7.3	8.4	10.4	12.0	235
10176334	74C068 SH C 500V 4x1,5 Cu2 K1 EG NA	1.5	4	1.5	2.7	8	9.1	10.9	12.8	267
10176342	74C068 SH C 500V 12x1,5 Cu2 K1 EG NA	1.5	12	1.5	2.7	13.3	14.6	16.7	19.9	610
10176346	74C068 SH C 500V 19x1,5 Cu2 K1 EG NA	1.5	19	1.5	2.7	15.8	17.1	19.4	22.9	860

FLEXIBLE CLASS 5

Reference	Name	Cross section [mm ²]	Nb. of cores	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. over screen [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10176402	74C068 SH C 500V 27x0,5 Cu5 K1 EG NA	0.5	27	0.9	2.1	15.8	16.8	18.3	21.7	726
10263790	74C068 SH C 500V 2x1 Cu5 K1 EG NA	1	2	1.3	2.5	6.6	7.7	9.5	11.0	185
10243990	74C068 SH C 500V 3x1 Cu5 K1 EG NA	1	3	1.3	2.5	7	8.0	10.1	11.4	200

SELLING AND DELIVERY INFORMATION

Minimum bending radius:

10 x outer diameter
To be doubled during laying operations