



CONTACT

Market information
industryprojects.business@lynxgroup.com

- 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 (K2)**
- Overall screened (EG)
- Unarmoured (NA)

STANDARDS

Product IEC 60228

Test 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)
- Colour: grey

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 K2 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
 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



Radiation resistant
 Yes

CHARACTERISTICS

Construction characteristics

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

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
Radiation resistant	Yes
Max. conductor temperature in service	90 °C
Nuclear Classification	K2

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]
10213050	74C068 SH C 500V 2x0.5 Cu2 K2 EG NA	0.5	2	0.9	2.2	5.8	6.4	7.6	9.6	135
10219518	74C068 SH C 500V 27x0,5 Cu2 K2 EG NA	0.5	27	0.9	2.2	15.2	16.5	18.3	21.7	660
10213052	74C068 SH C 500V 37x0,5 Cu2 K2 EG NA	0.5	37	0.9	2.2	17.2	18.5	20.5	24.1	830
10213053	74C068 SH C 500V 48x0,5 Cu2 K2 EG NA	0.5	48	0.9	2.2	19.8	21.3	23.4	27.4	1005
10254509	74C068 SH C 500V 3x1 Cu2 K2 EG NA	1	3	1.3	2.4	7	8.0	10.1	11.4	205
10266098	74C068 SH C 500V 7x1 Cu2 K2 EG NA	1	7	1.3	2.4	8.9	9.9	11.8	13.5	300
10260490	74C068 SH C 500V 9x1 Cu2 K2 EG NA	1	9	1.3	2.4	11.2	12.2	14.0	16.2	405

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]
10260491	74C068 SH C 500V 12x1 Cu2 K2 EG NA	1	12	1.3	2.4	12.5	13.5	15.3	17.5	475
10254510	74C068 SH C 500V 14x1 Cu2 K2 EG NA	1	14	1.3	2.4	13.2	14.5	16.3	19.5	605
10260492	74C068 SH C 500V 27x1 Cu2 K2 EG NA	1	27	1.3	2.4	17.8	19.1	20.8	24.0	900
10213106	74C068 SH C 500V 3x1,5 Cu2 K2 EG NA	1.5	3	1.6	2.8	7.4	8.2	9.7	12.0	240
10213104	74C068 SH C 500V 4x1,5 Cu2 K2 EG NA	1.5	4	1.6	2.8	8.1	9.1	10.4	12.8	275
10213107	74C068 SH C 500V 20x1,5 Cu2 K2 EG NA	1.5	20	1.6	2.8	16.9	18.2	19.4	23.0	975

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 K2 SH 0.3/0.5 (0.6) kV YYYY Manufacturing number + metric marking