



- CST 74C068
- Quality insurance according to RCC-E
- Zero halogen (SH)
- Control cables 0.3/0.5(0.6)kV
- **Cables installed outside of the containment area (K3)**
- Without Screen (SE)
- 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.

### 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

### CONTACT

Markets and Products Information  
[rollingstock.business@lynxgroup.com](mailto:rollingstock.business@lynxgroup.com)



Halogen free  
-



Operating temp.  
-20 ... 60 °C



Smoke density  
IEC 61034-2



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



U.V resistance  
Yes



Life cycle 60years  
Yes



Max.conductor temp.in  
service  
90 °C

**CHARACTERISTICS****Construction characteristics**

Conductor material	Plain copper
Type of conductor	Stranded, class 2
Insulation	Halogen-free
Outer sheath	LSZH
Halogen free	-

**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)
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 <sup>2</sup> ]	Nb. of cores	Conductor diam. [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10259596	74C068 SH C 500V 4x0.5 Cu2 K3 SE NA	0.5	4	0.9	2.1	7.0	8.1	75
10257546	74C068 SH C 500V 7x0.5 Cu2 K3 SE NA	0.5	7	0.9	2.1	8.3	9.6	110
10256419	74C068 SH C 500V 2x1 Cu2 K3 SE NA	1	2	1.3	2.5	6.9	7.9	80
10256420	74C068 SH C 500V 3x1 Cu2 K3 SE NA	1	3	1.3	2.5	7.2	8.3	95
10263884	74C068 SH C 500V 4x1 Cu2 K3 SE NA	1	4	1.3	2.5	8.0	9.2	110
10256421	74C068 SH C 500V 7x1 Cu2 K3 SE NA	1	7	1.3	2.5	9.4	10.8	165
10257547	74C068 SH C 500V 9x1 Cu2 K3 SE NA	1	9	1.3	2.5	11.1	12.8	220
10257549	74C068 SH C 500V 12x1 Cu2 K3 SE NA	1	12	1.3	2.5	12.7	14.7	295
10257550	74C068 SH C 500V 14x1 Cu2 K3 SE NA	1	14	1.3	2.5	13.6	15.6	340
10257548	74C068 SH C 500V 19x1 Cu2 K3 SE NA	1	19	1.3	2.5	15.3	17.5	440
10263862	74C068 SH C 500V 27x1 Cu2 K3 SE NA	1	27	1.3	2.5	18.4	21.2	600
10263515	74C068 SH C 500V 37x1 Cu2 K3 SE NA	1	37	1.3	2.5	20.6	23.6	775
10257974	74C068 SH C 500V 2x1.5 Cu2 K3 SE NA	1.5	2	1.6	2.8	7.3	8.4	95

Reference	Name	Cross section [mm <sup>2</sup> ]	Nb. of cores	Conductor diam. [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10222180	74C068 SH C 500V 3x1.5 Cu2 K3 SE NA	1.5	3	1.6	2.8	8.3	9.7	120
10222181	74C068 SH C 500V 4x1.5 Cu2 K3 SE NA	1.5	4	1.6	2.8	8.5	9.8	140
10222182	74C068 SH C 500V 5x1.5 Cu2 K3 SE NA	1.5	5	1.6	2.8	9.2	10.6	165
10222183	74C068 SH C 500V 7x1.5 Cu2 K3 SE NA	1.5	7	1.6	2.8	10.0	11.5	210
10222184	74C068 SH C 500V 12x1.5 Cu2 K3 SE NA	1.5	12	1.6	2.8	15.0	17.0	380
10222185	74C068 SH C 500V 19x1.5 Cu2 K3 SE NA	1.5	19	1.6	2.8	16.3	18.7	555
10263863	74C068 SH C 500V 27x1.5 Cu2 K3 SE NA	1.5	27	1.6	2.8	19.7	22.7	790
10263581	74C068 SH C 500V 37x1.5 Cu2 K3 SE NA	1.5	37	1.6	2.8	25.1	25.3	1030

## 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