



### 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 outside of the containment area (K3)**
- Overall Screen (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)

#### 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



Halogen free  
 IEC 60754-1; IEC 60754-2



Operating temp.  
 -20 ... 60 °C



Smoke density  
 EN/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
Screen	Copper Braid
Outer sheath	LSZH
Halogen free	IEC 60754-1; IEC 60754-2

**Usage characteristics**

Operating temperature, range	-20 ... 60 °C
Smoke density	EN/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 <sup>2</sup> ]	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]
10176353	74C068 SH C 500V 2x0.5 Cu2 K3 EG NA	0.5	2	0.9	2.1	5.0	6.8	8.0	91
10176354	74C068 SH C 500V 3x0.5 Cu2 K3 EG NA	0.5	3	0.9	2.1	5.3	7.1	8.4	100
10176355	74C068 SH C 500V 4x0.5 Cu2 K3 EG NA	0.5	4	0.9	2.1	5.9	7.7	9.0	109
10176357	74C068 SH C 500V 7x0.5 Cu2 K3 EG NA	0.5	7	0.9	2.1	7.1	9.1	10.5	165
10242937	74C068 SH C 500V 8x0.5 Cu2 K3 EG NA	0.5	8	0.9	2.1	8.2	10.6	12.2	195
10176360	74C068 SH C 500V 12x0.5 Cu2 K3 EG NA	0.5	12	0.9	2.1	9.7	12.5	14.3	300
10176361	74C068 SH C 500V 14x0.5 Cu2 K3 EG NA	0.5	14	0.9	2.1	10.3	13.3	15.1	310
10176362	74C068 SH C 500V 19x0.5 Cu2 K3 EG NA	0.5	19	0.9	2.1	11.5	14.9	16.9	415
10195024	74C068 SH C 500V 24x0.5 Cu2 K3 EG NA	0.5	24	0.9	2.1	13.6	19.9	17.6	530

Reference	Name	Cross section [mm <sup>2</sup> ]	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]
10176363	74C068 SH C 500V 27x0.5 Cu2 K3 EG NA	0.5	27	0.9	2.1	13.9	18.0	20.4	540
10176364	74C068 SH C 500V 37x0.5 Cu2 K3 EG NA	0.5	37	0.9	2.1	15.9	20.0	22.6	680
10239775	74C068 SH C 500V 48x0.5 Cu2 K3 EG NA	0.5	48	0.9	2.1	18.3	22.5	25.5	835
10176304	74C068 SH C 500V 2x1 Cu2 K3 EG NA	1	2	1.3	2.58	5.8	7.6	8.9	106
10176307	74C068 SH C 500V 3x1 Cu2 K3 EG NA	1	3	1.3	2.58	6.2	8.1	9.4	123
10176309	74C068 SH C 500V 4x1 Cu2 K3 EG NA	1	4	1.3	2.58	7.1	8.7	10.5	164
10176313	74C068 SH C 500V 7x1 Cu2 K3 EG NA	1	7	1.3	2.58	8.5	10.4	12.3	246
10176315	74C068 SH C 500V 9x1 Cu2 K3 EG NA	1	9	1.3	2.58	10.0	12.4	14.5	323
10176317	74C068 SH C 500V 12x1 Cu2 K3 EG NA	1	12	1.3	2.58	11.4	14.3	16.6	403
10176319	74C068 SH C 500V 14x1 Cu2 K3 EG NA	1	14	1.3	2.58	12.0	14.6	17.6	453
10176321	74C068 SH C 500V 19x1 Cu2 K3 EG NA	1	19	1.3	2.58	14.0	17.2	19.9	596
10265106	74C068 SH C 500V 24x1 Cu2 K3 EG NA	1	24	1.3	2.58	16.1	19.2	22.0	710
10176323	74C068 SH C 500V 27x1 Cu2 K3 EG NA	1	27	1.3	2.58	16.5	20.6	23.8	765
10176325	74C068 SH C 500V 37x1 Cu2 K3 EG NA	1	37	1.3	2.58	18.6	23.4	26.5	960
10176327	74C068 SH C 500V 48x1 Cu2 K3 EG NA	1	48	1.3	2.58	21.6	26.0	30.1	1190
10176329	74C068 SH C 500V 2x1.5 Cu2 K3 EG NA	1.5	2	1.5	2.84	6.2	8.1	9.4	135

Reference	Name	Cross section [mm <sup>2</sup> ]	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]
10176331	74C068 SH C 500V 3x1.5 Cu2 K3 EG NA	1.5	3	1.5	2.84	6.9	8.7	10.1	161
10225541	74C068 SH C 500V 3G1.5 Cu2 K3 EG NA	1.5	3	1.5	2.84	6.9	8.7	10.1	161
10176333	74C068 SH C 500V 4x1.5 Cu2 K3 EG NA	1.5	4	1.5	2.84	7.6	9.7	11.2	207
10225540	74C068 SH C 500V 5G1.5 Cu2 K3 EG NA	1.5	5	1.5	2.84	8.6	10.4	12.0	245
10176337	74C068 SH C 500V 7x1.5 Cu2 K3 EG NA	1.5	7	1.5	2.84	9.1	11.2	12.8	292
10176339	74C068 SH C 500V 9x1.5 Cu2 K3 EG NA	1.5	9	1.5	2.84	10.8	13.3	15.2	390
10176341	74C068 SH C 500V 12x1.5 Cu2 K3 EG NA	1.5	12	1.5	2.84	12.3	15.2	17.3	489
10176345	74C068 SH C 500V 19x1.5 Cu2 K3 EG NA	1.5	19	1.5	2.84	14.8	18.2	20.7	737
10176347	74C068 SH C 500V 27x1.5 Cu2 K3 EG NA	1.5	27	1.5	2.84	17.8	21.9	24.8	1018
10176349	74C068 SH C 500V 37x1.5 Cu2 K3 EG NA	1.5	37	1.5	2.84	20.3	24.3	27.6	1336
10265107	74C068 SH C 500V 48x2.5 Cu2 K3 EG NA	2.5	48	1.9	3.1	26.7	29.8	34.2	2040
10222188	74C068 SH C 500V 2x6 Cu2 K3 EG NA	6	2	2.95	4.4	9.9	12.3	14.1	315
10203612	74C068 SH C 500V 4x6 Cu2 K3 EG NA	6	4	2.95	4.4	11.7	14.2	16.2	481

### FLEXIBLE CLASS 5

Reference	Name	Cross section [mm <sup>2</sup> ]	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]
10176377	74C068 SH C 500V 37x0.5 Cu5 K3 EG NA	0.5	37	0.9	2.1	15.9	19.3	22.3	700

Reference	Name	Cross section [mm <sup>2</sup> ]	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]
10178574	74C068 SH C 500V 3x1 Cu5 K3 EG NA	1	3	1.3	2.58	6.2	8.0	9.8	125
10194810	74C068 SH C 500V 4x1 Cu5 K3 EG NA	1	4	1.3	2.58	6.8	8.8	10.3	160
10194811	74C068 SH C 500V 12x1 Cu5 K3 EG NA	1	12	1.3	2.58	11.4	14.2	14.2	390
10194812	74C068 SH C 500V 19x1 Cu5 K3 EG NA	1	19	1.3	2.58	13.5	16.9	16.9	560

## SELLING AND DELIVERY INFORMATION

### Minimum bending radius:

10 x outer diameter  
To be doubled during laying operations