



- 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



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 ²] | 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 ²] | 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