



- 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)
- Armoured by braid (TZ) or tapes (AR)

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).

DESIGN

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

Armour:

- Galvanized steel braid (Tz) ≤ 4 conductors
- Steel tapes (Ar) > 4 conductors

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 ARME CST 74 C 068 K3 SH 0.3/0.5 (0.6) kV YYYY Manufacturing number + metric marking

CONTACT

Markets and Products Information
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Halogen free
IEC 60754-1; IEC 60754-2



Mechanical
resistance to
impacts
Good



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
Inner sheath	LSZH
Outer sheath	LSZH
Halogen free	IEC 60754-1; IEC 60754-2

Mechanical characteristics

Mechanical resistance to impacts	Good
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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

GALVANIZED STEEL BRAID ARMOUR

Reference	Name	Cross section [mm ²]	Nb. of cores	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10257551	74C068 SH C 500V 3x1 Cu2 K3 SE Tz	1	3	1.3	2.5	6.9	8.4	11.2	12.9	230
10271764	74C068 SH C 500V 2x1.5 Cu2 K3 SE Tz	1.5	2	1.6	2.7	6.9	8.4	11.3	13.0	235
10268114	74C068 SH C 500V 3x1.5 Cu2 K3 SE Tz	1.5	3	1.6	2.7	7.8	9.3	12.1	14.0	275
10259604	74C068 SH C 500V 4x1.5 Cu2 K3 SE Tz	1.5	4	1.6	2.7	8.5	10.0	12.7	14.6	310

STEEL TAPES AMOUR

Reference	Name	Cross section [mm ²]	Nb. of cores	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10263805	74C068 SH C 500V 4x1 Cu2 K3 SE Ar	1	4	1.3	2.5	8	8.9	11.7	13.5	260
10225535	74C068 SH C 500V 7x1 Cu2 K3 SE Ar	1	7	1.3	2.5	9.5	10.4	13.8	15.7	340
10263232	74C068 SH C 500V 12x1 Cu2 K3 SE Ar	1	12	1.3	2.5	12.6	13.5	16.0	18.4	495
10263806	74C068 SH C 500V 27x1 Cu2 K3 SE Ar	1	27	1.3	2.5	17.9	18.8	20.9	24.1	865
10257107	74C068 SH C 500V 7x1.5 Cu2 K3 SE Ar	1.5	7	1.6	2.7	10.2	11.2	13.9	15.9	405
10272415	74C068 SH C 500V 12x1.5 Cu2 K3 SE Ar	1.5	12	1.6	2.7	13.5	14.4	16.8	19.4	595
10272414	74C068 SH C 500V 19x1.5 Cu2 K3 SE Ar	1.5	19	1.6	2.7	16	16.9	19.2	22.0	805
10221997	74C068 SH C 500V 37x1.5 Cu2 K3 SE Ar	1.5	37	1.6	2.7	21.8	22.9	24.3	27.9	1350
10226965	74C068 SH C 500V 2x2.5 Cu2 K3 SE Ar	2.5	2	1.9	3.1	8.3	9.3	11.9	13.6	290

SELLING AND DELIVERY INFORMATION

Minimum bending radius:

10 x outer diameter
To be doubled during laying operations