

CONTACT

Market information
 industryprojects.business@lynxéogroup.com

- Low voltage cables 0.6/1 (1.2) V
- CST 74C068
- Zero halogen (SH)
- **Cables installed outside of the containment area (K3)**
- Armoured (NA)

STANDARDS

Product IEC 60228

Test IEC 60332-3-23; IEC 60754-1; IEC 61034-2; NF C32-070/C1

APPLICATIONS

These low voltage cables are used for lighting system power supply, engine power supply and solenoid valve power supply. They are well adapted to under ground use.

DESIGN

Design

Conductor:

Stranded bare copper or aluminium (class 2)

Insulation:

Cross-linked halogen free (SH)

Covering (optional):

Flame retardant filler material

Inner sheath:

Low smoke, zero halogen (LSZH)

Armour:

Steel tape (STA) or aluminium tape (ATA) for 1 core cable

Outer sheath:

Low smoke, zero halogen (LSZH)

Colour: Blue

Core identification

According to HD308 S2

Marking

LYNXEO 279 Nber of cores & cross-section Cu/Al Armé CST 74C 068 00 K3 SH 0.6/1 (1.2) kV YYY Y Manufacturing number + metric marking



Halogen free
IEC 60754-1



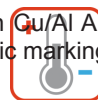
Rated Voltage U_o/U (Um)
0.6/ 1 (1.2) kV



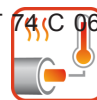
Fire retardant
NF C 32070 C1; IEC 60332-3-24 (cat B)



Smoke density
EN/IEC 61034-2



Operating temp.
-20 ... 60 °C



Max. conductor temp.in service
90 °C

STANDARD

Standard

All drawings, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Lynxéo is indicative only and shall not be binding on Lynxéo or be treated as constituting a representation on the part of Lynxéo.
 Quality insurance according to ISO 9001

CHARACTERISTICS

Construction characteristics

Type of conductor	Stranded, class 2
Insulation	Halogen-free
Outer sheath	Halogen-free
Halogen free	IEC 60754-1

Electrical characteristics

Rated Voltage U _o /U (U _m)	0.6/ 1 (1.2) kV
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Usage characteristics

Fire retardant	NF C 32070 C1; IEC 60332-3-24 (cat.B)
Smoke density	EN/IEC 61034-2
Operating temperature, range	-20 ... 60 °C
Max. conductor temperature in service	90 °C
Nuclear Classification	Class 1 E Non LOCA/K3

1 CONDUCTOR

Reference Name	Conductor material	Cross section [mm ²]	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]	Green/Yellow core
74C068 SH P 1x240 Cu2 K3 AR	Plain copper	240	18.3	21.7	27.0	30.1	33.9	2883	No

2 CONDUCTORS

Reference Name	Conductor material	Cross section [mm ²]	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]	Green/Yellow core
10176143 74C068 SH P 2x2,5 Cu2 K3 AR	Plain copper	2.5	1.91	3.27	10.1	12.8	15.0	335	No
10176149 74C068 SH P 2x6 Cu2 k3 AR	Plain copper	6	2.95	4.31	12.5	15.3	17.8	475	No



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Rated Voltage U_o/U (U_m)
0.6/ 1 (1.2) kV



Fire retardant
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Smoke density
EN/IEC 61034-2



Operating temp.
-20 ... 60 °C



Max. conductor temp. in service
90 °C

Reference	Name	Conductor material	Cross section [mm ²]	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]	Green/Yellow core
10176155	74C068 SH P 2x16 Cu2 k3 AR	Plain copper	16	4.8	6.16	15.8	18.4	21.2	801	No

3 CONDUCTORS

Reference	Name	Conductor material	Cross section [mm ²]	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]	Green/Yellow core
10221827	74C068 SH P 3x240 Alu2 k3 AR	Aluminum	240	18.0	46.1	52.6	56.9	63.2	5647	No
10176144	74C068 SH P 3x2,5 Cu2 K3 AR	Plain copper	2.5	1.91	3.27	11.0	13.8	15.6	378	No
10219595	74C068 SH P 3G2,5 Cu2 K3 AR	Plain copper	2.5	1.91	3.27	11.0	13.8	15.6	378	Yes
10176150	74C068 SH P 3x6 Cu2 k3 AR	Plain copper	6	2.95	4.31	12.8	15.5	18.0	544	No
10176162	74C068 SH P 3x35 Cu2 k3 AR	Plain copper	35	7.0	8.76	22.4	25.3	28.7	1746	No
	74C068 SH P 3x95 Cu2 K3 Ar	Plain copper	95	11.4	13.6	33.1	36.5	41.0	3985	No



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Rated Voltage U_o/U (Um)
0.6/ 1 (1.2) kV



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Smoke density
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Operating temp.
-20 ... 60 °C



Max. conductor temp.in service
90 °C

4 CONDUCTORS

Reference	Name	Conductor material	Cross section [mm ²]	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]	Green/Yellow core
10176145	74C068 SH P 4x2,5 Cu2 K3 AR	Plain copper	2.5	1.91	3.27	11.8	14.6	17.0	428	No
10224741	74C068 SH P 4G2,5 Cu2 k3 AR	Plain copper	2.5	1.91	3.27	11.8	14.6	17.0	428	Yes
10176151	74C068 SH P 4x6 Cu2 k3 AR	Plain copper	6	2.95	4.31	14.0	17.1	19.8	648	No
10176157	74C068 SH P 4x16 Cu2 k3 AR	Plain copper	16	4.8	6.16	18.8	21.6	24.7	1256	No
10176163	74C068 SH P 4x35 Cu2 K3 AR	Plain copper	35	7.0	8.8	25.1	28.2	31.9	2240	No

5 CONDUCTORS

Reference	Name	Conductor material	Cross section [mm ²]	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]	Green/Yellow core
10221775	74C068 SH P 5G2,5 Cu2 k3 AR	Plain copper	2.5	1.91	3.27	12.8	15.6	18.1	479	Yes
10224781	74C068 SH P 5G6 Cu2 k3 AR	Plain copper	6	2.95	4.31	15.6	18.3	21.1	748	Yes

SELLING AND DELIVERY INFORMATION

Minimum bending radius:

10 x outer diameter
To be doubled during laying operations



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