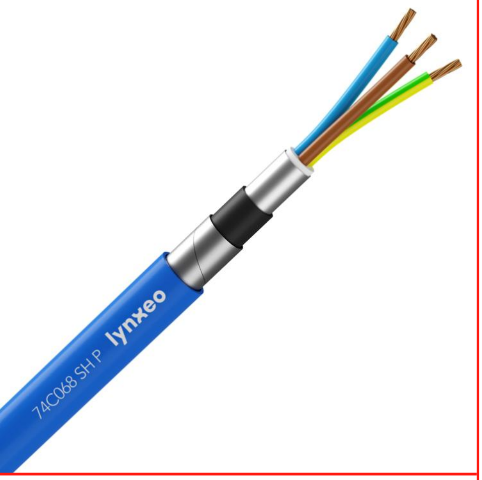
lynxeo

74C068 SH P ... K3 AR



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

CONTACT

Market information
industryprojects.business@lynxeogroup.com

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 74 C 068 00 K3 SH 0.6/1 (1.2) kV YYYY Manufacturing number + metric marking

Halogen free
IEC 60754-1

Rated Voltage Uo/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

IEC 60332-3-23 (B)

Quality insurance according to RCC-E

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 Uo/U (Um)	0.6/ 1 (1.2) kV
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 [mm²]	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 [mm²]	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

Halogen free
IEC 60754-1


Rated Voltage Uo/U (Um)
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 [mm²]	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 [mm²]	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

Halogen free
IEC 60754-1


Rated Voltage Uo/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

4 CONDUCTORS

Reference	Name	Conductor material	Cross section [mm²]	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 [mm²]	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

Halogen free
IEC 60754-1


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