74C068 SH MT 6/6kV ... K3 NA

- Medium voltage cables 6/6 (7.2) kV
- CST 74C068
- Zero halogen (SH)
- **Cables installed outside of the containment area (K3)**
- Unarmoured (NA)

STANDARDS

Product IEC 60228; IEC 60502-2

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

APPLICATIONS

These medium voltage cables are used for medium voltage power supply,

DESIGN

Design

Conductor:

Stranded bare copper or aluminium (class 2)

Screen:

Semi-conductor

Insulation:

Ethylene Propylene Rubber (EPR)

Assembling sheath:

Halogen free

Inner sheath:

Halogen free

Screen:

Semi-conductor

Copper tape

Outer sheath:

Low smoke, zero halogen (LSZH)

Colour: Black

Core identification

3x: natural cores printed with black numbers

Marking

LYNXEO 279 Nber of cores & cross-section Cu/Al CST 74 C 068 00 K3 SH 6/6(7.2) kV YYYY Manufacturing number + metric marking

Halogen free
IEC 60754-1

Rated Voltage Uo/U (Um)
6/6(7.2) 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

CONTACT

Market information
industryprojects.business@lynxeogroup.com

STANDARD

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Lynxeo is indicative only and shall not be binding on Lynxeo or be treated as constituting a representation on the part of Lynxeo.

Standard

IEC 60332-3-23(B)

74C068 SH MT 6/6kV ... K3 NA

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)	6/6(7.2) 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

ALUMINIUM CONDUCTOR

Reference	Name	Nb. of cores	Cross section [mm²]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10215352	74C068 SH MT 6/6kV 3x50 Alu2 K3 NA	3	50	43.5	47.9	2475
10215353	74C068 SH MT 6/6kV 3x150 Alu2 K3 NA	3	150	58.4	64.4	4845
10215351	74C068 SH MT 6/6kV 3x185 Alu2 K3 NA	3	185	62.9	69.3	625
10216539	74C068 SH MT 6/6kV 3x240 Alu2 K3 NA	3	240	66.9	73.8	6481

COPPER CONDUCTOR

Reference	Name	Nb. of cores	Cross section [mm²]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
	74C068 SH MT 6/6kV 3x50 Cu2 K3 NA	50	3	42.9	47.3	3374

SELLING AND DELIVERY INFORMATION

Minimum bending radius:

Halogen free
IEC 60754-1


Rated Voltage Uo/U (Um)
6/6(7.2) 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

8 x outer diameter
To be doubled during laying operations

Halogen free
IEC 60754-1

Rated Voltage Uo/U (Um)
6/6(7.2) 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