



CONTACT

Market information
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- Medium voltage cables 6/6 (7.2) kV
- CST 74C068
- Zero halogen (SH)
- **Cables installed inside of the containment area (K1)**
- 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



Halogen free
 IEC 60754-1



Rated Voltage U_o/U_l
 (Um)
 6/6(7.2) kV



Fire retardant
 NF C 32070 C1;
 IEC 60332-3-23
 (cat. B)



Smoke density
 EN/IEC 61034-2



Life cycle 60years
 Yes



Radiation resistant
 Yes



LOCA
 Yes



Max. conductor
 temp. in service

3x: natural cores printed with black numbers

Marking

EN/IEC 60228
 IEC 60332-3-23 (cat. B) 279 Nber of cores & cross-section Cu/Al CST 74 C 068 000 K1 SH 6/6(7.2)
 kV YYYY Manufacturing number + metric marking

CHARACTERISTICS

Construction characteristics

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

Dimensional characteristics

Conductor cross-section	50 mm ²
Number of cores	3
Diameter over screen	39.0 mm
Minimum outer diameter	42.9 mm
Maximum outer diameter	47.3 mm
Approximate weight	3374 kg/km

Electrical characteristics

Rated Voltage U _o /U (Um)	6/6(7.2) 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
Life cycle 60years	Yes
Radiation resistant	Yes
Loss of coolant accident resistant	Yes
Max. conductor temperature in service	90 °C
Operating temperature, range	-20 ... 60 °C
Nuclear Classification	Class 1 E LOCA /K1

SELLING AND DELIVERY INFORMATION

Minimum bending radius:

- 8 x outer diameter
- To be doubled during laying operations



Halogen free
IEC 60754-1



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