

CONTACT

Markets and Products Information
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MV Nuclear Power Cable Cu/Alu2 K3

STANDARDS

Product IEC 60228

Test IEC 60332-3-23; NF C32-070/C1

APPLICATION

Lynxéo's medium voltage (MT) single core cables are qualified to CST 74C068 for nuclear power plants. Zero halogen (SH) and unarmoured (NA) these cables are intended to be installed for external parts (K3).

DESIGN

1. Conductor

Stranded round plain copper or aluminium (Class 2)

2. Conductor screen

Semi-conductor

3. Insulation

Ethylene propylene rubber (EPR)

4. Insulation Screen

Semi-conductor

Copper tape

5. Filler

Low smoke, zero halogen (LSZH)

6. Protective sheath

Low smoke, zero halogen (LSZH)

Color: black

Example of marking:

LYNXEO 279 Nb of cores x mm² - Cu/Alu - BTS 74 C 068 - K3 SH - 8.7/15(17.5) kV
- Year - Manufacturing number xxs m



Halogen free
IEC 60754-1



Rated Voltage U₀/U
(Um)
8.7 / 15 (17.5) kV



Operating temp.
-20 ... 60 °C



Smoke density
IEC 61034-2



Fire retardant
NF C 32-070 C1



U.V resistance



Life cycle 60years

CHARACTERISTICS**Construction characteristics**

Type of conductor	Circular, stranded, class 2
Conductor material	Copper class 2
Insulation	EPR
Outer sheath	LSZH compound
Sheath colour	Black
Halogen free	IEC 60754-1

Dimensional characteristics

Conductor cross-section	400 mm ²
Diameter over insulation	34.1 mm
Minimum outer diameter	45.7 mm
Maximum outer diameter	52.5 mm
Approximate weight	1355 kg/km

Electrical characteristics

Rated Voltage U _o /U (U _m)	8.7 / 15 (17.5) kV
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Usage characteristics

Operating temperature, range	-20 ... 60 °C
Smoke density	IEC 61034-2
Fire retardant	NF C 32-070 C1
U.V resistance	
Life cycle 60years	-