



Reference: 10220688
Country Ref.: 01270459
EAN 13: 3427580644702

CONTACT

Market information
 industryprojects.business@lynxeogroup.com

- CST 74C068
- Quality insurance according to RCC-E
- Zero halogen (SH)
- Control cables 0.3/0.5(0.6)kV
- **Cables installed outside of the containment area (K3)**
- Overall Screen (EG)
- Armoured by braid (TZ) or tapes (AR)

STANDARDS

Product IEC 60228

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

APPLICATIONS

These control cables allow connection to a variety of industrial equipment from control room. Many of them require anti-inductive screen (EMI). They are well adapted to underground use.

CONSTRUCTION

Conductor:

- Stranded plain copper (class 2)

Insulation:

- Zero halogen (SH), cross-linked

Assembling:

- Polyester tape (optional)

Overall screen:

- Copper wire braid (CWB) R ≥ 80%

Inner sheath:

- Low smoke, zero halogen (LSZH)

Armour:

- Galvanized steel braid (Tz) ≤ 4 conductors
- Steel tapes (Ar) > 4 conductors

Outer sheath:

- Low smoke, zero halogen (LSZH)
- Colour: grey

Core identification

Black cores printed with white numbers
 Optional: with Y/G core

Marking

LYNXEO 279 Nber of cores & cross-section Cu EG ARME CST 74 C 068 K3 SH
 0.3/0.5 (0.6) kV YYYY Manufacturing number + metric marking



Halogen free
 IEC 60754-1; IEC 60754-2



Mechanical resistance to impacts
 Good



Operating temp.
 -20 ... 60 °C



Smoke density
 -



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



Electro magnetic interference resistance
 Yes



U.V resistance
 Yes



Life cycle 60years
 Yes

CHARACTERISTICS

Construction characteristics

Conductor material	Plain copper
Type of conductor	Stranded, class 2
Insulation	Halogen-free
Screen	Bare copper braid
Inner sheath	LSZH
Armour type	Steel tapes
Outer sheath	LSZH
Halogen free	IEC 60754-1; IEC 60754-2
With Green/Yellow core	No

Dimensional characteristics

Conductor cross-section	1.5 mm ²
Number of cores	12
Conductor diameter	1.5 mm
Diameter over insulation	2.7 mm
Diameter over screen	12.8 mm
Diameter over inner sheath	15 mm
Diameter over armour	15.9 mm
Minimum outer diameter	19.0 mm
Maximum outer diameter	21.4 mm
Approximate weight	738 kg/km

Electrical characteristics

Max. DC resistance of the conductor at 20°C	12.1 Ohm/km
Maximum DC resistance of the conductor at 90°C	15.400 Ohm/km
Reactance at 50 Hz	0.096 Ohm/km
Short Circuit Current 0,3 s Max	0.39 kA
Short Circuit Current 1 s Max	0.21 kA
Impedance at 50 Hz	12.1 Ohm
Voltage Drop	24.8 V/A.km
Calorific Power	4.4 MJ/m

Mechanical characteristics

Mechanical resistance to impacts	Good
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Usage characteristics

Operating temperature, range	-20 ... 60 °C
Smoke density	-
Fire retardant	NF C 32070 C1; IEC 60332-3-24 (cat.B)
Electro magnetic interference resistance	Yes



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impacts
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Operating temp.
-20 ... 60 °C



Smoke density
-



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



Electro magnetic
interference
resistance
Yes



U.V resistance
Yes



Life cycle 60years
Yes

Usage characteristics

U.V resistance	Yes
Life cycle 60years	Yes
Max. conductor temperature in service	90 °C
Nuclear Classification	Class 1 E Non LOCA/K3

SELLING AND DELIVERY INFORMATION

Minimum bending radius:

10 x outer diameter
To be doubled during laying operations

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kV YYYY Manufacturing number + metric marking



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