



Reference: 10265134
EAN 13: 3427580724954

CONTACT

Market information
 industryprojects.business@lynx^{eo}.com
 ogroup.com

- CST 74C068
- Quality insurance according to RCC-E
- Zero halogen (SH)
- Control cables 0.6/1(1.2)kV
- **Cables installed outside the containment area (K3)**
- Overall screened (EG)
- Unarmoured (NA)

STANDARDS

Produkt IEC 60228

Tests 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).

DESIGN

Conductor:

- Stranded (class 2) or flexible (class 5) plain copper

Insulation:

- Zero halogen (SH), cross-linked

Assembling:

- An inner sheath acting as a filler or polyester tape

Screen:

- Copper wire braid (CWB) R ≥ 80%

Outer sheath:

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

CORE IDENTIFICATION

Core identification

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

Marking

LYNXEO 279 Nber of cores & cross-section Cu EG CST 74 C 068 K3 SH 0.6/1(1.2) kV YYYY Manufacturing number + metric marking



Halogenfrei
 IEC 60754-1; IEC 60754-2



Nennspannung U₀/U
 0.6/ 1 (1.2) kV



Betriebstemp.
 -20 ... 60 °C



Rauchdichte
 IEC 61034-2



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



Elektromagnetisch
 geschirmt
 Ja



UV Beständigkeit
 Ja



Life cycle 60years
 Ja

CHARACTERISTICS

Konstruktionsmerkmale

| | |
|----------------|------------------------------|
| Leitermaterial | blank |
| Isolierung | Halogen-free |
| Leitertype | Stranded, class 2 |
| Schirm | blankes Kupfergeflecht |
| Außenmantel | LSZH, raucharm & halogenfrei |
| Halogenfrei | IEC 60754-1; IEC 60754-2 |

Abmessungsmerkmale

| | |
|------------------------------|--------------------|
| Leiterquerschnitt | 10 mm ² |
| Aderanzahl | 3 |
| Leiterdurchmesser | 3,9 mm |
| Durchmesser über Isolierung | 5,3 mm |
| Diameter over screen | 12,3 mm |
| Außendurchmesser Mindestwert | 15,0 mm |
| Maximaler Außendurchmesser | 17,2 mm |
| Nettogewicht ca. | 560 kg/km |

Elektrische Eigenschaften

| | |
|--|-----------------|
| Max. Gleichstromwiderstand des Leiters bei 20° C | 1,83 Ohm/km |
| Maximum DC resistance of the conductor at 90°C | 2,330 Ohm/km |
| Reactance at 50 Hz | 0,079 Ohm/km |
| Short Circuit Current 0,3 s Max | 2,6 kA |
| Short Circuit Current 1 s Max | 1,4 kA |
| Spannungsabfall | 3,8 V/A.km |
| Impedance at 50 Hz | 1,83 Ohm |
| Calorific Power | 2,9 MJ/m |
| Kurzschlussstrom | - kA |
| Nennspannung U ₀ /U | 0.6/ 1 (1.2) kV |

Anwendungsmerkmale

| | |
|-----------------------------------|---------------------------------------|
| Betriebstemperatur | -20 ... 60 °C |
| Rauchdichte | IEC 61034-2 |
| Flammwidrig | NF C 32070 C1; IEC 60332-3-24 (cat.B) |
| Elektromagnetisch geschirmt | Ja |
| UV Beständigkeit | Ja |
| Life cycle 60years | Ja |
| Max. Betriebstemperatur am Leiter | 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

Marking

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