



Reference: 10176314
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CONTACT

Market information
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- CST 74C068
- Quality insurance according to RCC-E
- Zero halogen (SH)
- Control cables 0.3/0.5 (0.6) kV
- **Cables installed inside of the containment area (K1)**
- Overall Screen (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).

CONSTRUCTION

Conductor:

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

Insulation:

- Zero halogen (SH), cross-linked

Assembling:

- Polyester tape (optional)

Inner sheath:

- Low smoke, zero halogen (LSZH)

Overall screen:

- Copper wire braid (CWB) R ≥ 80%

Outer sheath:

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

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 K1 SH 0.3/0.5 (0.6) kV YYYY Manufacturing number + metric marking



Halogenfrei
IEC 60754-1; IEC 60754-2



Nennspannung U₀/U
0.3/0.5(0.6)kV



Betriebstemp.
-20 ... 60 °C



Rauchdichte
-



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



Elektromagnetisch
geschirmt
Ja



Life cycle 60years
Ja



Radiation resistant
Ja

CHARACTERISTICS**Konstruktionsmerkmale**

Leitermaterial	blank
Leitertype	Stranded, class 2
Isolierung	Halogen-free
Innenmantel	LSZH
Schirm	Copper Braid
Außenmantel	LSZH, raucharm & halogenfrei
Halogenfrei	IEC 60754-1; IEC 60754-2

Abmessungsmerkmale

Leiterquerschnitt	1 mm ²
Aderanzahl	7
Leiterdurchmesser	1,3 mm
Durchmesser über Isolierung	2,5 mm
Durchmesser über Innenmantel	9 mm
Diameter over screen	10,0 mm
Außendurchmesser Mindestwert	11,8 mm
Maximaler Außendurchmesser	13,6 mm
Nettogewicht ca.	295 kg/km

Elektrische Eigenschaften

Max. Gleichstromwiderstand des Leiters bei 20° C	18,1 Ohm/km
Maximum DC resistance of the conductor at 90°C	23,000 Ohm/km
Reactance at 50 Hz	0,1 Ohm/km
Short Circuit Current 0,3 s Max	0,26 kA
Short Circuit Current 1 s Max	0,14 kA
Impedance at 50 Hz	18,1 Ohm
Spannungsabfall	32,0 V/A.km
Calorific Power	3,1 MJ/m
Nennspannung U ₀ /U	0.3/0.5(0.6)kV

Anwendungsmerkmale

Betriebstemperatur	-20 ... 60 °C
Rauchdichte	-
Flammwidrig	NF C 32070 C1; IEC 60332-3-24 (cat.B)
Elektromagnetisch geschirmt	Ja
Life cycle 60years	Ja
Radiation resistant	Ja
Loss of coolant accident resistant	Ja
UV Beständigkeit	Ja
Max. Betriebstemperatur am Leiter	90 °C
Nuclear Classification	Class 1 E LOCA /K1

SELLING AND DELIVERY INFORMATION

Minimum bending radius:

10 x outer diameter
To be doubled during laying operations