



Reference: 10176318
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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	12
Leiterdurchmesser	1,3 mm
Durchmesser über Isolierung	2,5 mm
Durchmesser über Innenmantel	12,4 mm
Diameter over screen	13,4 mm
Außendurchmesser Mindestwert	15,1 mm
Maximaler Außendurchmesser	18,0 mm
Nettogewicht ca.	470 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	5 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