



**Reference:** 10176320  
**EAN 13:** 3427580464850

#### CONTACT

Market information  
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 ogroup.com

- 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 U<sub>o</sub>/  
 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 <sup>2</sup>
Aderanzahl	14
Leiterdurchmesser	1,3 mm
Durchmesser über Isolierung	2,5 mm
Durchmesser über Innenmantel	13,1 mm
Diameter over screen	14,4 mm
Außendurchmesser Mindestwert	16,3 mm
Maximaler Außendurchmesser	19,5 mm
Nettogewicht ca.	550 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	5,7 MJ/m
Nennspannung U <sub>0</sub> /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