



## CONTACT

Market information  
industryprojects.business@lynxgroup.com

## 74C068 SH M ... KX/KCB K3 EG NA

- Compensation cables 300/500(600) V
- CST 74C068
- Zero halogen (SH)
- **Cables installed outside of the containment area (K3)**
- Overall Screen (EG)
- Unarmoured (NA)

## STANDARDS

**Product** IEC 60584-3; NF C42-324

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

## APPLICATIONS

### Applications

These compensation cables allow connection to control board/process for temperature measurement and thermocouple transmission signal.

## DESIGN

### Conductor:

Metal in accordance with the thermocouple

### Insulation:

Cross-linked halogen free (SH)

### Assembling tape (optional):

### Overall screen:

Copper wire braid (CWB)

### Outer sheath:

Low smoke, zero halogen (LSZH)

Colour: depends on thermocouple type

### Core identification

According to IEC 60584-3/NFC 42324

### Core identification

According to IEC 60584-3/NFC 42324



Halogen free  
IEC 60754-1



Rated Voltage U<sub>o</sub>/U  
(U<sub>m</sub>)  
300/500 V



LYN<sup>EO</sup> 279 Nbr of pairs and cross-section  
74C068 SH M 0.3/0.5 (0.6) kV YYY Manufacturing number + metric marking  
60332-3-24 (cat.B)



Smoke density  
EN IEC 61034-2



Electro magnetic  
interference resistance  
Yes



Operating temp.  
-20 to +100 °C



Max conductor temp.in  
service  
90 °C

## STANDARD

IEC 60332-3-23(B)

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Lynx<sup>eo</sup> is indicative only and shall not be binding. Quality insurance according to ISO 9001 representation on the part of Lynx<sup>eo</sup>.

## CHARACTERISTICS

## Construction characteristics

Insulation	Halogen-free
Screen	Copper Braid
Outer sheath	Halogen free
Halogen free	IEC 60754-1

## Electrical characteristics

Rated Voltage U <sub>o</sub> /U (U <sub>m</sub> )	300/500 V
---	-----------

## Usage characteristics

Fire retardant	NF C 32070 C1; IEC 60332-3-24 (cat.B)
Smoke density	EN/IEC 61034-2
Electro magnetic interference resistance	Yes
Operating temperature, range	-20 ... 60 °C
Max. conductor temperature in service	90 °C
Nuclear Classification	Class 1 E Non LOCA/K3

CROSS-SECTION 0.5 MM<sup>2</sup>

Reference Name	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over screen [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
74C068 SH M 1P0.5 KX K3 EG NA	0.8	2.0	4.6	6.5	7.7	67

CROSS-SECTION 1 MM<sup>2</sup>

Reference Name	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over screen [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
74C068 SH M 1P1 KCB5 K3 EG NA	1.3	2.5	5.7	7.6	8.9	89
74C068 SH M 2P1 KCB K3 EG NA	1.3	2.5	9.9	11.9	13.6	188
74C068 SH M 6P1 KCB K3 EG NA	1.3	2.5	15.0	18.0	20.4	431
74C068 SH M 12P1 KCB K3 EG NA	1.3	2.5	19.5	23.2	26.3	698
74C068 SH M 24P1 KCB K3 EG NA	1.3	2.5	27.5	31.3	35.4	1262



Halogen free  
IEC 60754-1



Rated Voltage U<sub>o</sub>/U  
(U<sub>m</sub>)  
300/500 V



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



Smoke density  
EN/IEC 61034-2



Electro magnetic  
interference resistance  
Yes



Operating temp.  
-20 ... 60 °C



Max. conductor temp.in  
service  
90 °C

**CROSS-SECTION 1.34 MM<sup>2</sup>**

Reference Name	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over screen [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
74C068 SH M 6P1.34 KX K3 EG NA	1.5	2.7	16.1	19.1	21.7	494

**SELLING AND DELIVERY INFORMATION**

Minimum bending radius:

10 x outer diameter  
To be doubled during laying operations



Halogen free  
IEC 60754-1



Rated Voltage U<sub>o</sub>/U  
(U<sub>m</sub>)  
300/500 V



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



Smoke density  
EN/IEC 61034-2



Electro magnetic  
interference resistance  
Yes



Operating temp.  
-20 ... 60 °C



Max. conductor temp.in  
service  
90 °C