



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_o/U
(Um)
300/500 V



LYNXEO 279
Fire retardant
IEC 60754-1, IEC 60332-3-24 (cat.B)



Smoke density
IEC 61034-2



Electro magnetic
interference resistance
Yes



Operating temp.
IEC 60754-1



Max conductor temp.in
service
90 °C

Nber of pairs and cross-section Type of thermocouple EG CST 74 C
 0x0.30(0.3) kV YYY Manufacturing number + metric marking

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^{eo} is indicative only and shall not be binding. Quality insurance according to ISO 9001. Representation on the part of Lynx^{eo}.

CHARACTERISTICS

Construction characteristics

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

Electrical characteristics

| | |
|---|-----------|
| Rated Voltage U _o /U (U _m) | 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 MM²

| 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 MM²

| 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_o/U (U_m)
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 MM²

| 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_o/U
(U_m)
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