0168501

DATA SHEET

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IEC compensating cable KNL ST XX x 2 x 1,5



Application

The compensating cables KNL Version ST $XX \times 2 \times 1,5$ mm² are twisted paired, PVC insulated cables with aluminium foil screen which transmit the thermoelectric voltage of NiCr/Ni thermocouples. They are for flexible use and fixed installation in dry and damp rooms with medium mechanical load. They may only be installed outdoors with UV protection and in observation of the max. permitted temperature range. The overlapping foil wrapping screens the cores against electromagnetic interference.

Design

Conductor 1.5 mm² (48 x 0.20 mm)

Conductor material KCA alloying, accuracy class 2 according IEC 60584

Positive conductor: Fe (iron)

Negative conductor: CuNi (cupronickel)

Core insulation PVC compound

Core identification Positive conductor: green

Negative conductor: white

Core layering Cores twisted together

Screening Aluminium cladded plastic foil with tinned copper drain wire

Outer sheath PVC compound, colour: green

Electrical properties

Mechanical and thermal properties

Temperature range fixed installation: -40 °C up to +80 °C

occasional flexing: -5 °C up to +70 °C

Minimum bending radius occasional flexing: 15 x outer diameter

Flammability flame retardant in acc. to IEC 60332-1-2 resp. EN 60332-1-2

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