0154014 DATA SHEET

Valid from: 09.04.2025

DIN compensating cable KP 20 L 2x1,5



Application

The compensating cable KP 20 L 2 x 1,5 mm² is a PVC insulated cable with aluminium foil screen which transmits the thermoelectric voltage of PtRh/Pt thermocouples. It is 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 electromagnetical interference.

Design

Conductor 1.5 mm² (48 x 0.20 mm)

Conductor material RCB/SCB alloying, accuracy class 2 acc. to DIN 43722

Positive conductor: Cu (copper)

Negative conductor: CuNi (cupronickel)

Core insulation PVC compound

Core identification Positive conductor: red

Negative conductor: white

Cable assembly Cores twisted together

Screening aluminium cladded plastic foil with tinned copper drain wire

Outer sheath PVC compound, colour: white

Electrical properties

Limiting deviation class 2 $\pm 60 \,\mu\text{V} \ (\pm 5.0 \,^{\circ}\text{C}) \,/\,$ measuring point temperature $\pm 1000 \,^{\circ}\text{C}$

Mechanical and thermal properties

Temperature range 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