



DATA SHEET	0154014
DIN compensating cable KP 20 L 2x1,5	valid from : 01.12.2008

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 electromagnetic interference.

Design

Conductor	1,5 mm ² (48 x 0,20 mm)
Conductor material	RCB/SCB alloying, accuracy class 2 according DIN 43722 Positive conductor: Cu (copper) Negative conductor: CuNi (cupronickel)
Core insulation	PVC compound
Core identification	Positive conductor: red Negative conductor: white
Core layering	Cores twisted together
Screening	aluminium clad plastic foil with tinned copper drain wire (7x0,30 mm)
Outer sheath	PVC compound, colour: white

Electrical properties

Limiting deviation class 2	± 60 µV (± 5,0 °C) / measuring point temperature +1000 °C
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Mechanical and thermal properties

Temperature range	occasional flexing: -5 °C up to +70 °C
Minimum bending radius	occasional flexing: 15 x cable diameter
Flammability	flame retardant in acc. to IEC 60332-1-2 resp. VDE 0482-332-1-2