



<b>DATA SHEET</b>	0152001
<b>DIN compensating cable KN 1 L 2x1,5</b>	valid from : 01.12.2008

## Application

The compensating cable KN 1 L 2 x 1,5 mm<sup>2</sup> are PVC insulated cores which transmit the thermoelectric voltage of NiCr/Ni thermocouples. They are for fixed installation in dry and damp rooms and may only be installed outdoors with mechanical and UV protection and in observation of the max. permitted temperature range.

## Design

Conductor	1,5 mm <sup>2</sup> (48 x 0,20 mm)
Conductor material	KCA alloying, accuracy class 2 according DIN 43722 Positive conductor: Fe (iron) Negative conductor: CuNi (cupronickel)
Core insulation	PVC compound
Core identification	Positive conductor: red Negative conductor: green
Core layering	Cores twisted together
Outer sheath	No outer sheath

## Electrical properties

Limiting deviation class 2      ± 100 µV (± 2,5 °C) / m measuring point temperature +900 °C

## Mechanical and thermal properties

Temperature range	occasional flexing:	-5 °C up to +70 °C
Minimum bending radius	occasional flexing:	12 x cable diameter

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