



<b>DATA SHEET</b>	0163006
<b>IEC compensating cable KP 4 L-S 2x1,5 oval</b>	valid from : 01.12.2008

## Application

The compensating cable KP 4 L-S 2 x 1,5 mm<sup>2</sup> is a glass fibre insulated cable which transmits the thermoelectric voltage of PtRh/Pt thermocouples. It is for fixed installation in dry rooms and may only be installed outdoors with UV- and humidity protection and in observation of the max. permitted temperature range. The steel wire armouring serves as mechanical protection.

## Design

Conductor	1,5 mm <sup>2</sup> (48 x 0,20 mm)
Conductor material	RCB/SCB alloying, accuracy class 2 according IEC 60584 Positive conductor: Cu (copper) Negative conductor: CuNi (cupronickel)
Core insulation	Glass fibre covering
Core identification	Positive conductor: orange marked Negative conductor: white marked
Core layering	Cores parallel next to each other
Outer sheath	Glass fibre braiding with interweaved orange identification thread
Armouring	Galvanized steel wire braiding with interweaved orange identification thread

## Electrical properties

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

## Mechanical and thermal properties

Temperature range	occasional flexing:      -25 °C up to +200 °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

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