



<b>DATA SHEET</b>	0163015
<b>IEC compensating cable KP 11 L-SIL-S 2x1,5</b>	valid from : 01.12.2008

## Application

The compensating cable KP 11 L-SIL-S 2 x 1,5 mm<sup>2</sup> is a silicone and glass fibre insulated cable which transmits the thermoelectric voltage of PtRh/Pt thermocouples. It is for flexible use and fixed installation in dry rooms with medium mechanical load. It 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	Silicone compound
Core identification	Positive conductor: orange Negative conductor: white
Core layering	Cores twisted together
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 +180 °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

Originator: Frank Hörtnagl / PD-KL Approved: Werner Körner / TE	Document:      DB0163015EN	page 1 of 1
--	----------------------------	-------------