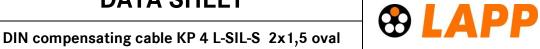
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## Application

The compensating cable KP 4 L-SIL-S  $2 \times 1,5 \text{ mm}^2$  is a silicone insulated cable which transmits the thermoelectric voltage of PtRh/Pt thermocouples. It is for flexible use and fixed installation in dry rooms with low mechanical load. They 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 mm² (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	Silicone compound	
Core identification	Positive conductor:	red
	Negative conductor:	white
Core layering	Cores parallel next to each other	
Outer sheath	Silicone compound, colour:	white
Armouring	Galvanized steel wire braiding wit	h interweaved white identification thread

## **Electrical properties**

Limiting deviation class 2	$\pm 60 \ \mu V \ (\pm 5.0 \ ^\circ C)$ / measuring point temperature +1000 $^\circ C$
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## 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	

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