

0167515	<b>DATA SHEET</b>	
Valid from: 01.04.2019	<b>IEC compensating cable KP 9 L-SY 2x1,5</b>	

## Application

The compensating cable KP 9 L-SY 2 x 1,5 mm<sup>2</sup> is a PVC insulated cable with steel wire armouring 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 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	PVC compound	
Core identification	Positive conductor:	orange
	Negative conductor:	white
Core layering	Cores twisted together	
Inner sheath	PVC compound, colour:	orange
Armouring	Galvanized steel wire braiding	
Outer sheath	PVC compound, colour:	orange

## 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	

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