


0153015	<b>DATA SHEET</b>	
Valid from: 01.04.2019	<b>DIN compensating cable KP 11 L-SIL-S 2x1,5</b>	

## 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 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 twisted together	
Outer sheath	Glass fibre braiding with interweaved white identification thread	
Armouring	Galvanized steel wire braiding with interweaved white identification thread	

## 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:	-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	

Creator: TOME/PCM Released: ALTE/PDC	Document: DB0153015EN Version: 02	Page 1 of 1
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