


0163022	DATA SHEET	
Valid from: 01.04.2019	IEC compensating cable KP 15 L-SIL 2x1,5 round	

Application

The compensating cable KP 15 L-SIL 2 x 1,5 mm² is a silicone insulated cable which transmits the thermoelectric voltage of PtRh/Pt thermocouples. It is for flexible use and fixed installation in dry and damp rooms without mechanical load. They may only be installed outdoors with UV protection and in observation of the max. permitted temperature range.

Design

Conductor	1.5 mm ² (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	Silicone compound, colour:	orange

Electrical properties

Limiting deviation class 2	$\pm 60 \mu\text{V} (\pm 5.0 \text{ }^\circ\text{C}) / \text{measuring point temperature} + 1000 \text{ }^\circ\text{C}$
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Mechanical and thermal properties

Temperature range	occasional flexing:	-25 °C up to +180 °C
Minimum bending radius	occasional flexing:	12 x cable diameter
Flammability	flame retardant in acc. to IEC 60332-1-2 resp. VDE 0482-332-1-2	

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