

0162017	DATA SHEET	 LAPP
Valid from: 01.04.2019	IEC compensating cable KN 12 L 2x1,5 oval	

Application

The compensating cable KN 12 L 2 x 1,5 mm² is a PVC insulated cable which transmits the thermoelectric voltage of NiCr/Ni thermocouples. It is for flexible use and fixed installation in dry and damp rooms. 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	KCA alloying, accuracy class 2 according IEC 60584	
Positive conductor:	Fe (iron)	
Negative conductor:	CuNi (cupronickel)	
Core insulation	PVC compound	
Core identification	Positive conductor:	green
	Negative conductor:	white
Core layering	Cores parallel next to each other	
Outer sheath	PVC compound, colour:	green

Electrical properties

Limiting deviation class 2	±100 µV (±2.5 °C) / measuring point temperature +900 °C
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Mechanical and thermal properties

Temperature range	occasional flexing:	-5 °C up to +70 °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	

AbN
automation

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