

0152006	DATA SHEET	 LAPP
Valid from: 03.01.2019	DIN compensating cable KN 4 L-S 2x1,5 oval	

Application

The compensating cable KN 4 L-S 2 x 1,5 mm² is a glass fibre insulated cable which transmits the thermoelectric voltage of NiCr/Ni thermocouples. It is for fixed installation in dry rooms and 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 ² (48 x 0.20 mm)	
Conductor material	KCA alloying, accuracy class 2 according DIN 43722	
	Positive conductor:	Fe (iron)
	Negative conductor:	CuNi (cupronickel)
Core insulation	Glass fibre covering	
Core identification	Positive conductor:	red marked
	Negative conductor:	green marked
Core layering	Cores parallel next to each other	
Outer sheath	Glass fibre braiding with interweaved green identification thread	
Armouring	Galvanized steel wire braiding with interweaved green identification thread	

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:	-25 °C up to +200 °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	

AbN
automation

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