


0162005	DATA SHEET	
Valid from: 01.04.2019	IEC compensating cable KN 3 L 2x1,5 oval	

Application

The compensating cable KN 3 L 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.

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	Glass fibre covering	
Core identification	Positive conductor:	green marked
	Negative conductor:	white marked
Core layering	Cores parallel next to each other	
Outer sheath	Glass fibre 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:	12 x cable diameter
Flammability	flame retardant in acc. to IEC 60332-1-2 resp. VDE 0482-332-1-2	

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