

0164012	DATA SHEET	
Valid from: 09.04.2025	IEC compensating cable KN 20 L 2x1,5	

Application

The compensating cable KN 20 L 2 x 1,5 mm² is a PVC insulated cable with aluminium foil screen which transmits the thermoelectric voltage of NiCr/Ni thermocouples. It is for flexible use and fixed installation in dry and damp rooms with medium mechanical load. They may only be installed outdoors with UV protection and in observation of the max. permitted temperature range. The overlapping foil wrapping screens the cores against electromagnetic interference.

Design

Conductor	1.5 mm ² (48 x 0.20 mm)	
Conductor material	KCA alloying, accuracy class 2 acc. to IEC 60584	
	Positive conductor:	Fe (iron)
	Negative conductor:	CuNi (cupronickel)
Core insulation	PVC compound	
Core identification	Positive conductor:	green
	Negative conductor:	white
Cable assembly	Cores twisted together	
Screening	aluminium cladded plastic foil with tinned copper drain wire	
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:	15 x outer diameter
Flammability	flame retardant in acc. to IEC 60332-1-2 resp. EN 60332-1-2	

Creator: LUJU/PCS	Document: DB0164012EN	Page 1 of 1
Released: ALTE/PDC	Version: 03	

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PD 0019/05_04.18EN