

0162015	DATA SHEET	
Valid from: 01.04.2019	IEC compensating cable KN 11 L-SIL-S 2x1,5	

Application

The compensating cable KN 11 L-SIL-S 2 x 1,5 mm² is a silicone and glass fibre insulated cable which transmits the thermoelectric voltage of NiCr/Ni thermocouples. It is for flexible use and fixed installation in dry rooms with medium mechanical load. It 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 IEC 60584	
	Positive conductor:	Fe (iron)
	Negative conductor:	CuNi (cupronickel)
Core insulation	Silicone compound	
Core identification	Positive conductor:	green
	Negative conductor:	white
Core layering	Cores twisted together	
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 +180 °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	

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