


0152003	DATA SHEET	
Valid from: 03.01.2019	DIN compensating cable KN 1 L-SIL 2x1,5	

Application

The compensating cable KN 1 L-SIL 2 x 1,5 mm² are silicone insulated cores which transmit the thermoelectric voltage of NiCr/Ni thermocouples. They are for fixed installation in dry and damp rooms and may only be installed outdoors with mechanical and 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 DIN 43722	
	Positive conductor:	Fe (iron)
	Negative conductor:	CuNi (cupronickel)
Core insulation	Silicone compound	
Core identification	Positive conductor:	red
	Negative conductor:	green
Core layering	Cores twisted together	
Outer sheath	No outer sheath	

Electrical properties

Limiting deviation class 2	±100 µV (±2.5 °C) / measuring point temperature +900 °C
----------------------------	---

Mechanical and thermal properties

Temperature range	occasional flexing:	-25 °C up to +180 °C
Minimum bending radius	occasional flexing:	12 x cable diameter

Creator: TOME/PCM Released: ALTE/PDC	Document: DB0152003EN Version: 02	Page 1 of 1
---	--------------------------------------	-------------