


0151003	DATA SHEET	
Valid from: 03.01.2019	DIN extension cable KE 1 L-SIL 2x1,5	

Application

The extension cable KE 1 L-SIL 2 x 1,5 mm² are silicone insulated cores which transmit the thermoelectric voltage of Fe/CuNi 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	LX 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:	blue
Core layering	Cores twisted together	
Outer sheath	No outer sheath	

Electrical properties

Limiting deviation class 2	±140 µV (±2.5 °C) / measuring point temperature +500 °C
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Mechanical and thermal properties

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

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