

0161040	DATA SHEET	
Valid from: 01.04.2019	IEC extension cable KE 41 L-SIL 2x0,5 oval	

Application

The extension cable KE 41 L-SIL 2 x 0,5 mm² is a silicone insulated cable which transmits the thermoelectric voltage of Fe/CuNi thermocouples. It is for flexible use and fixed installation in dry rooms with low mechanical load. They 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	0.5 mm ² (16 x 0.20 mm)	
Conductor material	JX alloying, accuracy class 2 according IEC 60584	
	Positive conductor:	Fe (iron)
	Negative conductor:	CuNi (cupronickel)
Core insulation	Silicone compound	
Core identification	Positive conductor:	black
	Negative conductor:	white
Core layering	Cores parallel next to each other	
Outer sheath	Silicone compound, colour:	black
Armouring	Galvanized steel wire braiding with interweaved, black identification thread	

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:	15 x cable diameter
Flammability	flame retardant in acc. to IEC 60332-1-2 resp. VDE 0482-332-1-2	

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