


0151006	DATA SHEET	
Valid from: 03.01.2019	DIN extension cable KE 4 L-S 2x1,5 oval	

Application

The extension cable KE 4 L-S 2 x 1,5 mm² is a glass fibre insulated cable which transmits the thermoelectric voltage of Fe/CuNi thermocouples. It is for fixed installation in dry rooms and 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	LX alloying, accuracy class 2 according DIN 43722
	Positive conductor: Fe (iron)
	Negative conductor: CuNi (cupronickel)
Core insulation	Glass fibre covering
Core identification	Positive conductor: red marked
	Negative conductor: blue marked
Core layering	Cores parallel next to each other
Outer sheath	Glass fibre braiding with interweaved blue identification thread
Armouring	Galvanized steel wire braiding with interweaved blue 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 +200 °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

Creator: TOME/PCM Released: ALTE/PDC	Document: DB0151006EN Version: 02	Page 1 of 1
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