



DATA SHEET	0161023
IEC extension cable KE 15 L-SIL-S 2x1,5 round	valid from : 01.12.2008

Application

The extension cable KE 15 L-SIL-S 2 x 1,5 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	1,5 mm ² (48 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 twisted together
Outer sheath	Silicone compound, colour: black
Armouring	Galvanized steel wire braiding with interweaved black identification thread

Electrical properties

Limiting deviation class 2	$\pm 140 \mu V (\pm 2,5 \text{ }^{\circ}C) / m$ measuring point temperature +500 °C
----------------------------	---

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

AbN
automation

Originator: Frank Hörtnagl / PD-KL Approved: Werner Körner / TE	Document: DB0161023EN	page 1 of 1
--	-----------------------	-------------

All deviations from this specification are subject to explicit consent of U.I.LAPP GmbH. All rights reserved acc. to DIN 34.
No.: 0019/0408