

Thermocouple cable
K GL-GL NiCr/Ni 2x0,5 IEC oval**DB1161009**
valid from: 30.09.2015**Application**

The compensating cable K GL-GL NiCr/Ni 2x0,5 mm² is a E-glass wrapped thermocouple cable type K which transmits the thermoelectric voltage of NiCr/Ni thermocouples. It is for flexible use and fixed installation in dry rooms. They may only be installed outdoors with UV protection and in observation of the max. permitted temperature range.

Design

Conductor	0,5mm (solid)
Conductor material	K alloys, according IEC 60584-1 Positive conductor: NiCr (Nickel chromium) Negative conductor: Ni (Nickel)
Core insulation	E-glass
Core identification	Positive conductor: green Negative conductor: white
Outer braid	E-glass Colour: green

Electrical properties

Limiting deviation	± 2,5°C (acc. to IEC 60584-1)
Thermocouple tolerances	- 40°C up to +1200°C (acc. to IEC 60584-3)
Test voltage	500 V

Mechanical and thermal properties

Minimum bending radius	occasionally flexing: 12 x cable Ø fixed installation: 6 x cable Ø
Temperature range	occasionally flexing: -90°C up to +350°C fixed installation: -90°C up to +400°C
Application temperature range	Type K: -40°C up to +1200°C (acc. to IEC 60584-1) for item 1161009: -40°C up to +400°C (considering the insulation)
Flame retardant	acc. to IEC 60332-1-2

AbN
automation