

1161018	Data sheet	
Valid from: 12.02.2025	Thermocouple cable K KG-KG NiCr/Ni 2x0.8 IEC oval	

Application

The thermocouple cable K KG-KG NiCr/Ni 2x0.8 mm² is a ceramic yarn 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 maximum permitted temperature range.

Design

Conductor	0,8 mm ² (solid)
Conductor material	K alloys, according to IEC 60584-1 Positive conductor: NiCr (Nickel chromium) Negative conductor: Ni (Nickel)
Core insulation	Ceramic yarn
Core identification	Positive conductor: green Negative conductor: white
Core layering	Cores parallel next to each other
Outer braid	Braid made of ceramic yarn, with green tracer yarn

Electrical properties

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

Mechanical and thermal properties

Minimum bending radius	occasionally flexing: 20 x cable diameter fixed installation: 10 x cable diameter
Temperature range	occasionally flexing: -25°C up to +1200°C fixed installation: -50°C up to +1200°C

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