

Thermocouple cable
K FEP-FEP NiCrNi 2x0,5 IEC oval**DB1161008**
valid from: 30.09.2015**Application**

The compensating cable K FEP-FEP NiCrNi 2x0,5 mm is a FEP insulated thermocouple cable type K which transmits the thermoelectric voltage of NiCr/Ni thermocouples. It is for flexible use and fixed installation in dry and damp rooms. They may only be installed outdoors 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	FEP
Core identification	Positive conductor: green Negative conductor: white
Stranding	Cores not bunched
Outer sheath	FEP 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 +205°C fixed installation: -90°C up to +205°C	
Application temperature range	Type K: -40°C up to +1200°C for item 1161008: -40°C up to +205°C	(acc. to IEC 60584-1) (considering the insulation)
Flame retardant	acc. to IEC 60332-1-2	