

1168511	Data sheet	
Valid from: 12.02.2025	Compensating cable KCA ETFE-C-ETFE NiCr/Ni 2x2x0.75 IEC	

Application

The compensating cable KCA ETFE-C-ETFE NiCr/Ni 2x2x0.75 mm² is a ETFE insulated compensating 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 in observation of the maximum permitted temperature range.

Design

Conductor	0,75 mm ² (24 x 0,20 mm)
Conductor material	KCA alloys, according to IEC 60584-1 Positive conductor: Fe (Iron) Negative conductor: CuNi (Cupronickel)
Core insulation	ETFE compound
Core identification	Positive conductor: green Negative conductor: white
Core layering	Cores twisted in pairs, pairs twisted together
Screening	Tinned cooper braiding
Outer sheath	ETFE compound: green

Electrical properties

Limiting deviation	±2,5°C / measuring point temperature +900°C (acc. to IEC 60584-1)
Thermocouple tolerances	0°C up to 150°C (acc. to IEC 60584-1)
Test voltage	500 V

Mechanical and thermal properties

Minimum bending radius	occasionally flexing: 15 x cable diameter fixed installation: 7,5 x cable diameter
Temperature range	occasionally flexing: -25°C up to +150°C fixed installation: -90°C up to +150°C

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