1161050	Data sheet	
Valid from: 12.02.2025	**Compensating cable KCA ETFE-C-ETFE NiCr/Ni 2x0.75 IEC**	

Application

The compensating cable KCA ETFE-C-ETFE NiCr/Ni 2x0.75 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 mm² (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 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	occassionally flexing:	15 x cable diameter
	fixed installation:	7,5 x cable diameter
Temperature range	occassionally flexing:	-25°C up to +150°C
	fixed installation:	-90°C up to +150°C