



### Application

High Temperature Resistant Compensating Cable & Thermocouple Extension Wire. In flexible application, the cable withstands a temperature range of: fixed laying: -40/+180°C, flexible application: -25/+180°C, short-time use: +250°C.

### Additional information

With SABtex braiding!

DIN 43710 / 43714 (not valid for type B\*)

\* Not standardized compensating cable for thermocouples type B with application temperatures up to 100 °C resp. 200 °C.

C = compensating cables · X = extension cables

### Construction

<b>Insulation</b>	fibre-glass
<b>Stranding</b>	2 cores parallel
<b>Braiding</b>	SABtex with tracer
<b>Shape</b>	oval
<b>Conductor construction</b>	strand
<b>Conductor cross section</b>	1,5 mm <sup>2</sup>
<b>Outer diameter</b>	approx. 4,6 x 6,8 mm
<b>Weight/100m</b>	approx. 5,4 kg

### Technical data

<b>Min. bending radius</b>	10 x d
<b>Temperature range of insulation</b>	fixed laying: -50/+200°C flexible application: -50/+200°C short-time use: +300°C

<b>Halogen-free</b>	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Fire performance</b>	no flame propagation acc. to IEC 60332-3-24 + VDE 0482-332-3-24 resp. IEC 60332-3-25 + VDE 0482-332-3-25 Cat. C resp. D, see chapter N „Technical Data“. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2.
<b>Corrosiveness of conflagration gases</b>	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
<b>Smoke density</b>	low (low smoke emission)
<b>Absence of harmful substances</b>	acc. to RoHS directive of the European Union

### Dimensions

Colour code	For thermocouple	Thermocouple material +Pol/-Pol	Cable type	Colour code core insulation +Pol/-Pol (Sheath)	EMF at 100 °C
IEC 60584	Type T	Cu - CuNi	TX	brown/white (brown)	4,28 mV
IEC 60584	Type J	Fe - CuNi	JX	black/white (schwarz)	5,27 mV
IEC 60584	Type K	NiCr - Ni	KCA	green/white (green)	4,10 mV
IEC 60584	Type K	NiCr - Ni	KCB	green/white (green)	4,10 mV
IEC 60584	Type K	NiCr - Ni	KX	green/white (green)	4,10 mV
IEC 60584	Type E	NiCr - CuNi	EX	purple/white (purple)	6,32 mV
IEC 60584	Type R/S	PtRh13 - PTPtRh10 - PT	R/SCB	orange/white (orange)	0,65 mV
IEC 60584	Type N	NiCrSi - NiSi	NC	pink/white (pink)	2,77 mV
DIN 43710 / 43714	Type L	Fe CuNi	LX	red/blue (blue)	5,37 mV
DIN 43710 / 43715	Type K	—	KCA	—	4,10 mV

Colour code	For thermocouple	Thermocouple material +Pol/-Pol	Cable type	Colour code core insulation +Pol/-Pol (Sheath)	EMF at 100 °C
DIN 43710 / 43716	Type R/S	—	R/SCB	—	0,65 mV
DIN 43710 / 43717	Type U	Cu - CuNi	UX	red/brown (brown)	4,25 mV
DIN 43710 / 43718	Type B*	—	BC-100	—	0,00 mV
DIN 43710 / 43719	Type B*	—	BC-200	—	0,033 mV

We continue to manufacture compensating and extension cables with colour code acc. to DIN 43714 and the basic values of DIN 43710.