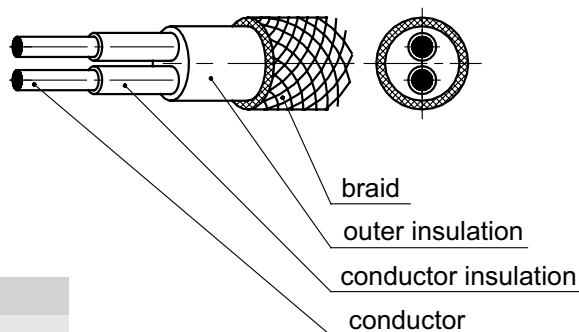


Compensation and extension (thermocouple) cables are the element of measuring installation connecting thermocouple sensor with measuring device e.g. controller, indicator or temperature recorder. Extension cables are made of the same materials as thermocouples, whereas compensation cables are made of substitute materials with properties similar to thermocouples. Cable insulation are selected according to ambient conditions and operating temperature.



Dane techniczne

Characteristic

- insulation resistance: min. 10 MΩ x km
- range of execution: up to 25 pairs
- voltage testing: 1000V
- cable structure and colours acc. to EU IEC 584-3
- based on IEC norm cables are produced as compensation (second letter of symbol designation C) or extension (second letter X).
- extension cables are made of the same materials as thermocouple, less expensive with lower class of temperature tolerance are compensation cables made of substitute materials

Cable structure and colours acc. to EU IEC 584-3

Type	Compensation cable	Extension cable	Composition		Insulation colour	
			Conductor +	Conductor –	Conductor +	Conductor –
T		TX	Cu	CuNi	Brown	White
J		JX	Fe	CuNi	Black	White
E		EX	NiCr	CuNi	Violet	White
K		KX	NiCr	NiAl	Green	White
K	KCA		Fe	410 Alloy	Green	White
N		NX	Nicrosil	Nisil	Pink	White
R	RCA		Cu	11 Alloy	Orange	White
S	SCA		Cu	11 Alloy	Orange	White
B	BC		Cu	Cu	Grey	White

Product code

Cable and thermocouple type:	
KCA; KCB	K, compensation cable
KX	K, extension cable
JX	J, extension cable
RC/SC	R/S, compensation cable
TX	T, extension cable
BC	B, compensation cable
EX	E, extension cable
NC	N, compensation cable
NX	N, extension cable
Conductor insulation	
Yc	PVC (-20÷105°C)
Si	Silicone (-50÷200°C)
F	Teflon (-50÷260°C)
Ws	Fiberglass (-50÷400°C)

3	<input type="text"/>	Conductor type	
		D	solid wire
		L	standed wire
4	<input type="text"/>	Outer insulation	
		Yc	PVC (-20÷105°C)
		Si	Silicone (-50÷200°C)
		F	Teflon (-50÷260°C)
		Ws	Fiberglass (-50÷400°C)
5	<input type="text"/>	Braid	
		no designation	none
		ek	zinc-plated copper wire
6	<input type="text"/>	u	steel wire
		Number of conductor pairs	
		2	2 pairs
		3	3 pairs
		4	4 pairs
		5	5 pairs
		Conductor cross section	
		2x0,22	0,22mm ²
		KX 2x0,50	0,50mm ²
		2x0,70	0,70mm ²
		2x1,00	1,00mm ²
		2x1,50	1,50mm ²

1 2 3 4 5 6

- - - - -

Ordering example: **KX-Si-L-u-2x0,22**