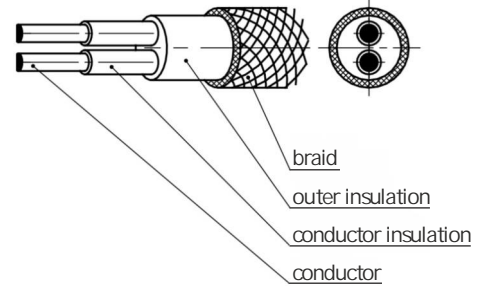


COMPENSATION AND THERMOCOUPLE CABLES



- insulation resistance: min 10M x km
- range of execution: up to 25 pairs
- voltage testing: 1000V

Compensation and extension (thermocouple) cables are the elements of measuring installation connecting thermocouple sensor with measuring devices such as a 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. The cable insulation is selected according to ambient conditions and operating temperature.



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	410Alloy	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

ORDERING

SP88X-X-X-X-X-XxX

thermocouple type:

- TX : TC T, extension cable
- JX : TC J, extension cable
- KX : TC K, extension cable
- EX : TC E, extension cable
- NX : TC N, extension cable
- KCA : TC K, compensation cable
- RCA : TC R, compensation cable
- SCA : TC S, compensation cable
- BC : TC B, compensation cable

conductor insulation:

- Yc : PVC (-20 ÷ 105°C)
- Si : silicon (-50 ÷ 200°C)
- F : teflon (-50 ÷ 260°C)
- WS : fiberglass (-50 ÷ 400°C)

conductor type:

- D : solid wire
- L : stranded wire

conductor cross section:

- 0,22 : 0,22 mm²
- 0,50 : 0,50 mm²
- 0,70 : 0,70 mm²
- 1,00 : 1,00 mm²
- 1,50 : 1,50 mm²

number of conductors:

- 2 : 2 conductors
- 3 : 3 conductors
- 4 : 4 conductors
- 5 : 5 conductors

braid:

- : none
- ek : zinc-plated copper wire
- u : steel wire

outer insulation:

- Yc : PVC (-20 ÷ 105°C)
- Si : silicon (-50 ÷ 200°C)
- F : teflon (-50 ÷ 260°C)
- WS : fiberglass (-50 ÷ 400°C)

Ordering example:
SP88KX-Si-L-u-2x0,22

