

CABLURI DE PRELUNGIRE SI COMPENSARE PENTRU TERMOCUPLURI



Structura

Conductor:

Fe/Cu-NiJ, Cu/Cu-NiT
Ni-Cr/Cu-NiE,, Ni-Cr/alloy Ni
Ni-Cr-Si/Si-Ni

Izolatie:

FEP / PFA; PVC;
Fibra de sticla impregnata
cu cauciuc siliconic

Tresa:

Fibra de sticla
Sama de cupru

Manta:

FEP / PFA; PVC;
Fibra de sticla impregnata
cu cauciuc siliconic

Aplicatii

Se utilizeaza pentru conexiunile electrice
dintre capetele deschise ale termocuplurilor,
aparate de masura si controlul temperaturii.

Caracteristici

Executie conform SR HD 446.3 S1, CEI
584-3

Domeniul de temperatura
(in functie de materialul de izolatie):

PVC: - 25 ... + 80 ° C;

FEP: - 50 ... + 200 ° C

PFA: -50...+ 250 ° C



**ICPE SA - Centrul Materiale
Electrotehnice si Tehnologii de Mediu**

Tel / Fax: 021-589.34.80

sic@icpe.ro

	Tip	Materiale	Clasa de toleranta		Temperatura	Constructie
			1	2		
Extensie	JX	Fe / Cu-NiJ	JX1: $\pm 85 \mu\text{V} (\pm 1,5 \text{ }^\circ\text{C})$	JX2: $\pm 140 \mu\text{V} (\pm 1,5 \text{ }^\circ\text{C})$	-25 ÷ 200 °C	2 x 0,32
	TX	Cu / Cu-Ni T	TX1: $\pm 30 \mu\text{V} (\pm 0,5 \text{ }^\circ\text{C})$	TX2: $\pm 60 \mu\text{V} (\pm 1,0 \text{ }^\circ\text{C})$	-25 ÷ 100 °C	2 x 0,5
	EX	Ni-Cr / Cu-Ni E	EX1: $\pm 120 \mu\text{V} (\pm 1,5 \text{ }^\circ\text{C})$	EX2: $\pm 200 \mu\text{V} (\pm 2,5 \text{ }^\circ\text{C})$	-25 ÷ 200 °C	2 x 1
	KX	Ni-Cr / aliaj Ni	KX1: $\pm 60 \mu\text{V} (\pm 1,5 \text{ }^\circ\text{C})$	KX2: $\pm 100 \mu\text{V} (\pm 2,5 \text{ }^\circ\text{C})$	-25 ÷ 200 °C	2 x 1,38
	NX	Ni-Cr-Si / Si-Ni	NX1: $\pm 60 \mu\text{V} (\pm 1,5 \text{ }^\circ\text{C})$	NX2: $\pm 100 \mu\text{V} (\pm 2,5 \text{ }^\circ\text{C})$	-25 ÷ 200 °C	2 x (5 x 0,32)
Compensare	KCA	Fe / Cu-Ni	-	$\pm 100 \mu\text{V} (\pm 2,5 \text{ }^\circ\text{C})$	0 ÷ 150 °C	2 x (7 x 0,32)
	KCB	Cu / Cu-Ni	-	$\pm 100 \mu\text{V} (\pm 2,5 \text{ }^\circ\text{C})$	0 ÷ 100 °C	2 x (13 x 0,32)
	NC	Ni-Cr-Si / Ni-Si	-	$\pm 100 \mu\text{V} (\pm 2,5 \text{ }^\circ\text{C})$	0 ÷ 150 °C	2 x (19 x 0,32)
	RCA	Cu / Cu-Ni R	-	$\pm 30 \mu\text{V} (\pm 2,5 \text{ }^\circ\text{C})$	0 ÷ 100 °C	2 x (32 x 0,32)
	RCB	Cu / Cu-Ni R	-	$\pm 60 \mu\text{V} (\pm 5,0 \text{ }^\circ\text{C})$	0 ÷ 200 °C	
	SCA	Cu / Cu-Ni S	-	$\pm 30 \mu\text{V} (\pm 2,5 \text{ }^\circ\text{C})$	0 ÷ 100 °C	
	SCB	Cu / Cu-Ni S	-	$\pm 60 \mu\text{V} (\pm 5,0 \text{ }^\circ\text{C})$	0 ÷ 200 °C	
	BC	Cu / aliaj Cu	-	$\pm 40 \mu\text{V} (\pm 2,5 \text{ }^\circ\text{C})$	0 ÷ 150 °C	

Simbolizare:

Y = PVC

E₅/E₃ =TEFLON® FEP /PFA

E_S = fibra de sticla

E_{SCS} = fibra de sticla impregnata in cauciuc siliconic

Ex 1: KX E₅EE₅ 2 x 1

KX = tip conductor

E₅ = izolatie din teflon FEP

E = ecran din sarma de cupru

E₅ = manta din teflon FEP

Ex 2: KX E₅E₃E 2 x 1

KX = tip conductor

E₅ = izolatie din teflon FEP

E_S = fibra de sticla

E = ecran din sarma de cupru