

Compensating cable

For connection to thermocouple and sensors for temperature gauges.

The cables are made of different alloys that don't have to be identical with the matching thermo couple.

The compensating cables exist in many different variations, as single core, multi core, unshielded, shielded, twisted pairs and with different insulation materials.

Custom made compensating cables can be produced from 500 meters and against delivery time.

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Compensation cable

Overview

Thermo pair	Thermo pair material	DIN IEC 584	DIN 43710	ANSI MC 96,1	BS 4937	NF C 42-324
Type		Thermo/comp	Thermo/comp	Thermo/comp	Thermo/comp	Thermo/comp
T	Cu-CuNi	TX -25°C to +100°C		TX 0°C to +100°C	TX 0°C to +100°C	TX -25°C to +100°C
U	Cu-CuNi		UX 0°C to +200°C			
J	Fe-CuNi	JX -25°C to +200°C		JX 0°C to +200°C	JX 0°C to +200°C	JX -25°C to +200°C
L	Fe-CuNi		LX 0°C to +200°C			
E	NiCr-CuNi	EX -25°C to +200°C		EX 0°C to +200°C	EX 0°C to +200°C	EX -25°C to +200°C
K	NiCr-Ni	KX -25°C to +200°C		KX 0°C to +200°C	KX 0°C to +200°C	KX -25°C to +200°C
K	NiCr-Ni	KCA 0°C to +150°C				WC 0°C to +150°C
K	NiCr-Ni	KCB 0°C to +100°C			VX 0°C to +100°C	VC 0°C to +100°C
N	NiCrSi-NiSi	NX -25°C to +200°C	NC 0°C to +150°C			
R,S	PtRh13-Pt PtRh10-Pt	RCB 0°C to +200°C		SX 0°C to +200°C	SX 0°C to +200°C	SC 0°C to +200°C
B	PtRh30- PtRh6			BX 0°C to +100°C		BC 0°C to +100°C



Compensation cable OVERVIEW

Info

Signal cable • for temperature measuring • can transfer measurement between thermocouple and measuring point without measuring loss • minimum bendingradius: 7,5 x d multi thread core • 12,0 x d solid core

Part number/ cable	Screen & outer jacket	Core-Insulation	Area mm ²	Shape	Temperature range	Outer ø mm	Weight kg/100m
260 0020 0xx/A1L	-	PVC	1,5	single core	- 25°C/+70°C	2,7	4
260 0010 0xx/A1L	-	PVC	1,5	twisted s.core	- 25°C/ +70°C	5,4	4
260 0190 0xx/A1LB	-	silicone	1,5	twisted s.core	- 25°C/+180°C	5,4	4
260 0350 0xx/A1D	-	PVC	1,5	s.core	- 25°C/+70°C	2,7	2
260 0310 0xx/A2D	textile, lead jacket, tinned steel wire braid	silicone	1,5	round	- 25°C/+180°C	7,8	25
260 0370 0xx/A3L	Sabtex®-braid	glass yarn braid	1,5	oval	- 25°C/+200°C	5,0 x 7,2	7
260 0230 0xx/A3Ln	silicone	silicone	1,5	oval	- 25°C/+180°C	5,2 x 7,4	6
260 0380 0xx/A4L	Sabtex®-braid, tinned steel wire braid	glass yarn braid	1,5	oval	- 25°C/+200°C	5,8 x 8,0	9
260 0240 0xx/A4Ln	silicone, tinned steel wire braid	silicone	1,5	oval	- 25°C/+180°C	6,0 x 8,2	9
260 0100 0xx/A5L	tinned copper screen, PVC	PVC	1,5	round	- 25°C/+70°C	8,1	9
260 0110 0xx/A5022	PVC	PVC	0,22	round	- 25°C/+70°C	4,9	3
260 0330 0xx/A6L	PETP-folie, aluminum foil, silicone	silicone	1,5	round	- 25°C/+180°C	8,0	10
260 0340 0xx/A6D	alufolie, silicone	silicone	1,5	round	- 25°C/+180°C	7,8	9
260 0080 0xx/A7L	Sabtex®-braid	PVC	1,5	oval	- 25°C/+70°C	5,5 x 8,2	6
260 0090 0xx/A8L	Sabtex®-braid, tinned steel wire braid	PVC	1,5	oval	- 25°C/+70°C	6,3 x 9,0	8
260 0040 0xx/A9L	PVC	PVC	1,5	round	- 25°C/+70°C	7,0	8
260 0150 0xx/A9LS	PVC, tinned steel wire braid	PVC	1,5	round	- 25°C/+70°C	7,8	11
260 0160 0xx/A9LSY	PVC, tinned steel wire braid, PVC	PVC	1,5	round	- 25°C/+70°C	9,8	15
260 0170 0xx/A9DSY	PVC, tinned steel wire braid, PVC	PVC	1,5	round	- 25°C/+70°C	9,6	14
260 0050 0xx/A9022	PVC	PVC	0,22	round	- 25°C/+70°C	4,0	2
260 0250 0xx/A10L	Sabtex®-braid	silicone	1,5	oval	- 25°C/+180°C	5,5 x 8,2	6
260 0260 0xx/A11L	Sabtex®-braid, tinned steel wire braid	silicone	1,5	oval	- 25°C/+180°C	6,3 x 9,0	8
260 0270 0xx/A11Lr	glass yarn braid, tinned steel wire braid	silicone	1,5	round	- 25°C/+180°C	6,7	8
260 0280 0xx/A114Lr	glass yarn braid, tinned steel wire braid	silicone	4x1,5	round	- 25°C/+180°C	7,8	12
260 0360 0xx/A11D	glass yarn braid, tinned steel wire braid	silicone	1,5	oval	- 25°C/+180°C	6,0 x 8,5	9
260 0300 0xx/A11Dr	glass yarn braid, tinned steel wire braid	silicone	1,5	round	- 25°C/+180°C	6,5	8
260 0060 0xx/A12L	PVC	PVC	1,5	oval	- 25°C/+70°C	4,3 x 7,0	7
260 0070 0xx/A12D	PVC	PVC	1,5	oval	- 25°C/+70°C	4,2 x 6,8	6
260 0290 0xx/A13L	glass yarn braid	silicone	1,5	oval	- 25°C/+180°C	3,2 x 5,9	5
260 0320 0xx/A14L	silicon, tinned steel wire braid	silicone	1,5	round	- 25°C/+180°C	11,7	20
260 0210 0xx/A15L	silicone	silicone	1,5	round	- 25°C/+180°C	7,7	8
260 0220 0xx/A15LP	silicone, tinned steel wire braid	silicone	1,5	round	- 25°C/+180°C	7,8	11
260 0390 0xx/A15022	silicone, glass yarn braid	glass yarn braid	0,22	round	- 25°C/+180°C	3,4	2
260 0400 0xx/A15022	silicone, glass yarn braid	glass yarn braid	0,22	round	- 25°C/+180°C	3,9	2
260 0030 0xx/A16L	-	PVC	0,75	parallel s.core	- 25°C/+70°C	2,4 x 4,8	3
260 0200 0xx/A16LB	-	silicone	1,5	parallel s.core	- 25°C/+180°C	2,8 x 5,6	4
260 0410 0xx/A18L	teflon-FEP	teflon-FEP	1,5	round	- 25°C/+205°C	4,4	4
260 0420 0xx/A19L	tinned copper screen, teflon FEP	teflon-FEP	1,5	round	- 25°C/+205°C	5,6	6
260 0120 0xx/A20L	aluminium foil, PVC	PVC	1,5	round	- 25°C/+70°C	8,0	8
260 0130 0xx/A20D	aluminium foil, PVC	PVC	1,5	round	- 25°C/+70°C	8,2	8

Change -- for number of pairs
 Change xx for element:
 01 = Fe-CuNi. Colour code plus: Fe-black Lf minus: CuNi-white.
 Colour: Black
 02 = NiCr-Ni. Colour code plus: NiCr-green. Lf minus: Ni-white.
 Colour: green
 04 = PtRh-Pt. Colour code plus: PtRh-gul. Lf minus: Pt-white.
 Colour: Yellow

Compensation cable

OVERVIEW multi pairs

No of pairs	A 9L		A9LS		A9LSY		A9DSY		A20D	
	Outer ø mm	Weight kg/100m	Outer ø mm	Weight kg/100m	Outer ø mm	Weight kg/100m	Outer ø mm	Weight kg/100m	Outer ø mm	Weight kg/100m
1	7,0	7,9	7,8	10,8	9,8	14,7	9,6	14,4	8,2	8,2
2	8,1	11,9	8,9	15,5	11,3	20,9	11,0	20,6	10,8	13,7
3	10,1	18,4	10,9	22,6	13,3	29,2	12,5	27,2	12,4	18,6
6	13,2	31,2	14,2	38,4	17,0	48,3	16,5	47,8	16,3	36,2
8	15,1	41,9	16,1	49,5	19,3	62,3	18,7	61,6	16,8	42,3
10	16,7	52,0	17,7	61,3	20,9	75,2	20,3	74,4	20,3	54,2
12	19,0	61,4	20,2	73,8	24,2	93,8	23,1	90,7	22,5	63,8
14	-	-	-	-	-	-	-	-	24,2	74,9
15	-	-	-	-	-	-	-	-	24,2	78,8
16	20,9	79,3	22,1	92,3	26,1	114,1	25,3	113,0	25,1	84,7
18	22,1	90,4	23,3	104,0	27,3	126,8	26,1	123,2	26,0	94,4
20	24,1	103,2	25,3	120,0	29,3	144,6	28,0	138,1	26,0	100,1

Part number/cable	Screen & outer jacket	core insulation	Area mm ²	Form	Temp. range
Multi pairs					
260 014--xx/A9L	PVC	PVC	1,5	rund	- 25°C/+70°C
260 015--xx/A9LS	PVC, förzinkad ståltrådsfläta	PVC	1,5	rund	- 25°C/+70°C
260 016--xx/A9LSY	PVC, förzinkad ståltrådsfläta, PVC	PVC	1,5	rund	- 25°C/+70°C
260 017--xx/A9DSY	PVC, förzinkad ståltrådsfläta, PVC	PVC	1,5	rund	- 25°C/+70°C
260 018--xx/A20D	alufolie, PVC	PVC	1,5	rund	- 25°C/+70°C

Change -- for number of pairs
 Change xx for element:
 01 = Fe-CuNi. Colour code plus: Fe-black Lf minus: CuNi-white.
 Colour: Black
 02 = NiCr-Ni. Colour code plus: NiCr-green. Lf minus: Ni-white.
 Colour: green
 04 = PtRh-Pt. Colour code plus: PtRh-gul. Lf minus: Pt-white.
 Colour: Yellow