

Compensation cables

Color coded according to norms

Norm	Type	Thermocouple material		Code	Compensation cable material		Color code		Color sheat
		+	-		+	-	core insulation		
DIN 43722 IEC 584	T	Cu	CuNi	TX	Cu	CuNi	Braun	White	Braun
	E	NiCr	CuNi	EX	NiCr	CuNi	Violet	White	Violet
	J	Fe	CuNi	JX	Fe	CuNi	Black	White	Black
	K	NiCr	Ni	KX	NiCr	Ni	Green	White	Green
	K	NiCr	Ni	KC A	Fe	CuNi	Green	White	Green
	K	NiCr	Ni	KC B	Cu	CuNi	Green	White	Green
	R/S	Pt13/10Rh	Pt	RCA/SCA	Cu	CuNi	Orange	White	Orange
	R/S	Pt13/10Rh	Pt	RCB/SCB	Cu	CuNi	Orange	White	Orange
	N	NiCrosil	NiSil	NC	Cu	CuNi	Ping	White	Pink
	B	Pt30Rh	Pt6Rh	BC	Cu-leg.	Cu	Gray	White	Gray
ANSI (USA)	T	Cu	CuNi	TX	CU	CuNi	Blue	Red	Blue
	E	NiCr	CuNi	EX	NiCr	CuNi	Purple	Red	Purple
	J	Fe	CuNi	JX	Fe	CuNi	White	Red	Black
	K	NiCr	Ni	KX	NiCr	Ni	Yellow	Red	Yellow
	R/S	Pt13/10Rh	Pt	RX/SX	Cu	CuNi	Black	Red	Green
B	Pt30Rh	Pt6Rh	BX	Cu-leg.	Cu	Gray	Red	Gray	
NF (France)	T	Cu	CuNi	TX	Cu	CuNi	Yellow	Blue	Blue
	E	NiCr	CuNi	EX	NiCr	CuNi	Yellow	Orange	Orange
	J	Fe	CuNi	JX	Fe	CuNi	Yellow	Black	Black
	K	NiCr	Ni	KX	NiCr	Ni	Yellow	Violet	Violet
	K	NiCr	Ni	VC	Cu	CuNi	Yellow	Braun	Braun
	K	NiCr	Ni	WC	Fe	CuNi	Yellow	White	White
	R/S	Pt13/10Rh	Pt	RC/SC	Cu	CuNi	Yellow	Green	Green
B	Pt30Rh	Pt6Rh	BC	Cu-leg.	Cu	Yellow	Gray	Gray	
DIN43710	U	Cu	CuNi	UX	Cu	CuNi	Red	Braun	Braun
	L	Fe	CuNi	LX	Fe	CuNi	Red	Blue	Blue

Insulation type comp. cable	Temperature range	Insulation core/sheath material
JJ	- 10 to + 105 °C	PVC - insulation, PVC - sheath
JFJ	- 10 to + 105 °C	PVC - insulation, wrapping Al braiding foil + drain wire, PVC - sheath
YFY	- 10 to + 70 °C	PVC - insulation, wrapping Al braiding foil + drain wire, PVC - sheath
GLGLP flat	- 60 to + 400 °C	Fiberglass - insulation and sheath , braiding of tinned steel wires
GLGLP	- 60 to + 400 °C	Fiberglass - insulation and sheath , braiding of tinned steel wires
SLSL	- 60 to + 200 °C	Silicone - insulation and sheath
SLGLP flat	- 60 to + 200 °C	Silicone - insulation, fiberglass - sheath, braiding of tinned steel wires
SLGLP	- 60 to + 200 °C	Silicone - insulation, fiberglass - sheath, braiding of tinned steel wires

Code	Classes of accuracy		Temperature range (surrounding temperature)	Measured temperature
	Class 1	Class 2		
JX	± 85µV (± 1,5 °C)	± 140µV (± 2,5 °C)	-25 °C to +200 °C	500 °C
TX	± 30µV (± 0,5 °C)	± 60µV (± 1,0 °C)	-25 °C to +100 °C	300 °C
EX	± 120µV (± 1,5 °C)	± 200µV (± 2,5 °C)	-25 °C to +200 °C	500 °C
KX	± 60µV (± 1,5 °C)	± 100µV (± 2,5 °C)	-25 °C to +200 °C	900 °C
NX	± 60µV (± 1,5 °C)	± 100µV (± 2,5 °C)	-25 °C to +200 °C	900 °C
KCA	-	± 100µV (± 2,5 °C)	0 °C to +150 °C	900 °C
KCB	-	± 100µV (± 2,5 °C)	0 °C to +100 °C	900 °C
NC	-	± 100µV (± 2,5 °C)	0 °C to +150 °C	900 °C
RCA	-	± 30µV (± 2,5 °C)	0 °C to +100 °C	1000 °C
RCB	-	± 60µV (± 5,0 °C)	0 °C to +200 °C	1000 °C
SCA	-	± 30µV (± 2,5 °C)	0 °C to +100 °C	1000 °C
SCB	-	± 60µV (± 5,0 °C)	0 °C to +200 °C	1000 °C
BC	-	± 40µV (± 3,5 °C)	0 °C to +100 °C	1400 °C

Compensation cables

Number of cores x cross-section (diameter) core	Approx. outer Ø [mm]	Type "U" DIN43710 Part No.	Type "T" DIN43722 Part No.	Type "L" DIN43710 Part No.	Type "J" DIN43722 Part No.	Type "K" DIN43722 Part No.	Type "R/S" DIN43722 Part No.	Type "B" DIN43722 Part No.
Type JJ round (PVC/PVC)								
2x0,22 mm ²	3,6	0447020	0447021	0447022	0447023	0447024	0447025	0447026
4x0,22 mm ²	4,1	0447027	0447028	0447029	0447030	0447031	0447032	0447033
2x1,50 mm ²	6,8	0447034	0447035	0447036	0447037	0447038	0447039	0447040
4x1,50 mm ²	7,8	0447041	0447042	0447043	0447044	0447045	0447046	0447047
2x1,38 mm (solid core)	6,4	0447048	0447049	0447050	0447051	0447052	0447053	0447054
4x1,38 mm (solid core)	7,4	0447055	0447056	0447057	0447058	0447059	0447060	0447061
Type JFJ round (PVC/Al-PET foil/PVC)								
2x0,22 mm ²	4,4	0447076	0447077	0447078	0447079	0447080	0447081	0447082
4x0,22 mm ²	5,5	0447083	0447083	0447084	0447085	0447086	0447087	0447088
2x1,50 mm ²	7,2	0447089	0447090	0447091	0447092	0447093	0447094	0447095
4x1,50 mm ²	10,9	0447096	0447097	0447098	0447099	0447100	0447101	0447102
2x1,38 mm (solid core)	6,8	0447103	0447104	0447105	0447106	0447107	0447108	0447109
4x1,38 mm (solid core)	10,2	0447110	0447111	0447111	0447112	0447113	0447114	0447115
Type YFY round (PVC/Al-PET foil/PVC)								
6x2x0,80 mm	10,5	0447116	0447117	0447118	0447119	0447120	0447121	0447122
12x2x0,80 mm	14,1	0447123	0447124	0447125	0447126	0447127	0447128	0447129
Type GLGLP flat (fiber wrapping/fiber wrapping/steel braiding)								
2x1,50 mm ²	3,5x5,5	0447130	0447131	0447132	0447133	0447134	0447135	0447136
2x1,38 mm (solid core)	3,3x5,1	0447137	0447138	0447139	0447140	0447141	0447142	0447143
Type GLGLP round (fiber wrapping/fiber wrapping/steel braiding)								
2x0,22 mm ²	3,6	0447144	0447145	0447146	0447147	0447148	0447149	0447150
2x0,75 mm ²	4,5	0447151	0447152	0447153	0447154	0447155	0447156	0447157
4x1,50 mm ²	6,3	0447158	0447159	0447160	0447161	0447162	0447163	0447164
4x1,38 mm (solid core)	5,8	0447165	0447166	0447167	0447168	0447169	0447170	0447171
Type SLSL - (silicone/silicone)								
2x0,22 mm ²	4,4	0447172	0447173	0447174	0447175	0447176	0447177	0447178
2x1,50 mm ²	7,2	0447179	0447180	0447181	0447182	0447183	0447184	0447185
Type SLGLP round (silicone/fiber wrapping/steel braiding)								
2x1,50 mm ²	4,3x7,1	0447186	0447187	0447188	0447189	0447190	0447191	0447192
2x1,38 mm (solid core)	4,1x6,7	0447193	0447194	0447195	0447196	0447197	0447198	0447199
Type SLGLP round (silicone/fiber wrapping/steel braiding)								
2x1,50 mm ²	7,1	0447200	0447201	0447202	0447203	0447204	0447205	0447206
4x1,50 mm ²	8,2	0447207	0447208	0447209	0447210	0447211	0447212	0447213
2x1,38 mm (solid core)	6,7	0447214	0447215	0447216	0447217	0447218	0447219	0447220
4x1,38 mm (solid core)	7,7	0447221	0447222	0447223	0447224	0447225	0447226	0447227

Other types and versions available on request.
 Technical changes reserved.