

Delivery Program

Thermocouple Alloys

Type	Conductor + Chemical composition (%)					Conductor +- Chemical composition (%)			Temp. Range (°C)	American Standard ASTM E230 / ANSI MC 96.1			European Standard IEC 584		
	Ni	Cr	Fe	Cu	Others	Cu	Ni	Others		T°C range	Standard	Special	T°C range	Class 1	Class 2
K	90	10	-	-	Mn Si+	2,2	94	Si 2.60, others +	-200 / +1260	From 0 to 1260	+/- 2,2°C	+/- 1,1°C	From - 40 to 1260	+/-1.5°C	+/-2.5°C
E	90	10	-	-	+	Bal.	44	Fe+ - Mn+	-200 / +870	From 0 to 870	+/- 1,7°C	+/- 1,1°C	From - 40 to 870	+/-1.5°C	+/-2.5°C
J	-	-	100	-	-	Bal.	44	Mn+	-40 / +760	From 0 to 760	+/- 2,2°C	+/- 1,1°C	From - 40 to 760	+/-1.5°C	+/-2.5°C
N	84,4	14,2	-	-	Si 1.4	-	95,6	Si 4.4	-200 / +1260	From 0 to 1260	+/- 2,2°C	+/- 1,1°C	From - 40 to 1260	+/-1.5°C	+/-2.5°C
T	-	-	-	100	-	Bal.	44	Mn+	-200 / +370	From 0 to 370	+/- 1°C	+/- 0,5°C	From - 40 to 370	+/- 0,5°C	+/- 1°C

Extension & Compensating Alloys

KX	90	10	-	-	Mn Si+	2,20	94	Si 2.60, others +	0 / +200	From 0 to 200	+/- 2,2°C	+/- 1,1°C	From - 25 to 200	+/-1.5°C	+/-2.5°C
KCA	-	-	100	-	-	Bal.	43	Mn 2 - Fe 2	-	-	-	-	From 0 to 150	-	+/-2.5°C
KCB	-	-	-	100	-	Bal.	44	-	0 / +100	From 0 to 100	+/- 2,2°C	+/- 2,2°C	From 0 to 100	-	+/-2.5°C
NX	84,4	14,2	-	-	Si 1.4	-	95,6	Si 4.4	0 / +200	From 0 to 200	+/- 2,2°C	+/- 2,2°C	From - 25 to 150	-	+/-2.5°C
JX	-	-	100	-	-	Bal.	44	Mn+	0 / +200	From 0 to 200	+/- 2,2°C	+/- 2,2°C	From - 25 to 200	+/-1.5°C	+/-2.5°C
TX	-	-	-	100	-	Bal.	44	Mn+	0 / +100	From 0 to 100	+/- 1°C	+/- 1°C	From - 25 to 100	+/-0.5°C	+/-1°C

KCA, also named WC, and KCB, also named VX, are compensating type K.