

Compensating Cables

Part No.	Thermo-pair materials to DIN 43713	Thermo-pair Type	Type	Core insulation	Jacket/Armouring/Jacket	Outer ø ca. mm	Form	Temperature range of insulation °C	Temperature range at installation °C	Min. bending radius ..x cable ø	Weight ca. kg/km
Single pair: 2 x 1,5 mm² (L = stranded wires, conductor make-up 48 x 0,20 mm; M = solid conductor, diameter 1,38 mm)											
48001	Fe-CuNi (Ko)	L	AE 1 L stranded	PVC	–	5,4	round	–10°C to +80°C	stationary: –25°C to +70°C flexing: –5°C to +70°C	7,5	40
48002	SoNiCr-SoNi	K	AN 1 L stranded	PVC	–	5,4	round			7,5	40
48003	SoPtRh-SoPt	S	AP 1 L stranded	PVC	–	5,4	round			7,5	40
48230	Cu-CuNi (Ko)	U	AC 1 L stranded	PVC	–	5,4	round			7,5	40
48478	Fe-CuNi	J	AF 1 L stranded	PVC	–	5,4	round			7,5	40
48004	Fe-CuNi (Ko)	L	AE 1 M stranded	PVC	–	5,4	round	–10°C to +80°C	stationary: –25°C to +70°C flexing: –5°C to +70°C	10	40
48005	SoNiCr-SoNi	K	AN 1 M stranded	PVC	–	5,4	round			10	40
48006	SoPtRh-SoPt	S	AP 1 M stranded	PVC	–	5,4	round			10	40
48231	Cu-CuNi (Ko)	U	AC 1 M stranded	PVC	–	5,4	round			10	40
48007	Fe-CuNi (Ko)	L	AE 1 L-SIL stranded	Silicone	–	5,4	round	–60°C to +180°C	stationary: –25°C to +180°C flexing: –25°C to +180°C (short time +200°C)	7,5	40
48008	SoNiCr-SoNi	K	AN 1 L-SIL stranded	Silicone	–	5,4	round			7,5	40
48009	SoPtRh-SoPt	S	AP 1 L-SIL stranded	Silicone	–	5,4	round			7,5	40
48232	Cu-CuNi (Ko)	U	AC 1 L-SIL stranded	Silicone	–	5,4	round			7,5	40
48233	Fe-CuNi (Ko)	L	AE 2 M-SIL stranded	Silicone	textile tape/lead sheath/tin. steel wire braiding	7,8	round			15	248
48234	SoNiCr-SoNi	K	AN 2 M-SIL stranded	Silicone		7,8	round	–60°C to +180°C	stationary: –25°C to +180°C flexing: –25°C to +180°C (short time +200°C)	15	248
48235	SoPtRh-SoPt	S	AP 2 M-SIL stranded	Silicone		7,8	round			15	248
48236	Cu-CuNi (Ko)	U	AC 2 M-SIL stranded	Silicone		7,8	round			15	248
48010	Fe-CuNi (Ko)	L	AE 3 L parallel	glass filam.	glass filam. braid.	5,0x7,2	oval			7,5	64
48011	SoNiCr-SoNi	K	AN 3 L parallel	glass filam.	glass filam. braid.	5,0x7,2	oval	–60°C to +200°C	stationary: –25°C to +200°C flexing: –25°C to +200°C	7,5	64
48012	SoPtRh-SoPt	S	AP 3 L parallel	glass filam.	glass filam. braid.	5,0x7,2	oval			7,5	64
48237	Cu-CuNi (Ko)	U	AC 3 L parallel	glass filam.	glass filam. braid.	5,0x7,2	oval			7,5	64
48238	Fe-CuNi (Ko)	L	AE 3 Ln-SIL parallel	Silicone	Silicone	5,2x7,4	oval			7,5	62
48239	SoNiCr-SoNi	K	AN 3 Ln-SIL parallel	Silicone	Silicone	5,2x7,4	oval	–60°C to +180°C	stationary: –25°C to +180°C flexing: –25°C to +180°C (short time +200°C)	7,5	62
48240	SoPtRh-SoPt	S	AP 3 Ln-SIL parallel	Silicone	Silicone	5,2x7,4	oval			7,5	62
48241	Cu-CuNi (Ko)	U	AC 3 Ln-SIL parallel	Silicone	Silicone	5,2x7,4	oval			7,5	62
48013	Fe-CuNi (Ko)	L	AE 4 L parallel	glass filam.	glass. filam. braid./galv. steel wire-braiding	5,8x8,0	oval			7,5	87
48014	SoNiCr-SoNi	K	AN 4 L parallel	glass filam.		5,8x8,0	oval	–60°C to +200°C	stationary: –25°C to +200°C flexing: –25°C to +200°C	7,5	87
48015	SoPtRh-SoPt	S	AP 4 L parallel	glass filam.		5,8x8,0	oval			7,5	87
48242	Cu-CuNi (Ko)	U	AC 4 L parallel	glass filam.		5,8x8,0	oval			7,5	87
48016	Fe-CuNi (Ko)	L	AE 4 Ln-SIL	Silicone	Silicone/galv. steel wire-braiding	6,0x8,2	oval			7,5	85
48017	SoNiCr-SoNi	K	AN 4 Ln-SIL	Silicone		6,0x8,2	oval	–60°C to +180°C	stationary: –25°C to +180°C flexing: –25°C to +180°C (short time +200°C)	7,5	85
48018	SoPtRh-SoPt	S	AP 4 Ln-SIL	Silicone		6,0x8,2	oval			7,5	85
48243	Cu-CuNi (Ko)	U	AC 4 Ln-SIL	Silicone		6,0x8,2	oval			7,5	85
48244	Fe-CuNi (Ko)	L	AE 5 L	PVC	PETP-tape/Cu-solid wire braiding/tinned/PVC-jacket	8,1	round	–10°C to +80°C	stationary: –25°C to +70°C flexing: –5°C to +70°C	7,5	93
48245	SoNiCr-SoNi	K	AN 5 L	PVC		8,1	round			7,5	93
48246	SoPtRh-SoPt	S	AP 5 L	PVC		8,1	round			7,5	93
48247	Cu-CuNi (Ko)	U	AC 5 L	PVC		8,1	round			7,5	93
48248	Fe-CuNi (Ko)	L	AE 6 L-SIL	Silicone	PETP-tape/Cu-ground wire 0,5 mm ø / Alu-tape/Silicone	8,0	round	–60°C to +180°C	stationary: –25°C to +180°C flexing: –25°C to +180°C (short time +200°C)	7,5	94
48249	SoNiCr-SoNi	K	AN 6 L-SIL	Silicone		8,0	round			7,5	94
48250	SoPtRh-SoPt	S	AP 6 L-SIL	Silicone		8,0	round			7,5	94
48251	Cu-CuNi (Ko)	U	AC 6 L-SIL	Silicone		8,0	round			7,5	94
48252	Fe-CuNi (Ko)	L	AE 6 M-SIL	Silicone	PETP-tape/Cu-ground wire 0,5 mm ø / Alu-tape/Silicone	7,8	round	–60°C to +180°C	stationary: –25°C to +180°C flexing: –25°C to +180°C (short time +200°C)	12	92
48253	SoNiCr-SoNi	K	AN 6 M-SIL	Silicone		7,8	round			12	92
48254	SoPtRh-SoPt	S	AP 6 M-SIL	Silicone		7,8	round			12	92
48255	Cu-CuNi (Ko)	U	AC 6 M-SIL	Silicone		7,8	round			12	92
48019	Fe-CuNi (Ko)	L	AE 7 L parallel	PVC	glass filament	5,5x8,2	oval	–10°C to +80°C	stationary: –25°C to +70°C flexing: –5°C to +70°C	7,5	60
48020	SoNiCr-SoNi	K	AN 7 L parallel	PVC	glass filament	5,5x8,2	oval			7,5	60
48021	SoPtRh-SoPt	S	AP 7 L parallel	PVC	glass filament	5,5x8,2	oval			7,5	60
48256	Cu-CuNi (Ko)	U	AC 7 L parallel	PVC	glass filament	5,5x8,2	oval			7,5	60
48022	Fe-CuNi (Ko)	L	AE 8 L	PVC	glass filament/galv. steel wire braiding	6,3x9,0	oval	–10°C to +80°C	stationary: –25°C to +70°C flexing: –5°C to +70°C	7,5	82
48023	SoNiCr-SoNi	K	AN 8 L	PVC		6,3x9,0	oval			7,5	82
48024	SoPtRh-SoPt	S	AP 8 L	PVC		6,3x9,0	oval			7,5	82
48257	Cu-CuNi (Ko)	U	AC 8 L	PVC		6,3x9,0	oval			7,5	82
48025	Fe-CuNi (Ko)	L	AE 9 L	PVC	PVC	7,0	round	–10°C to +80°C	stationary: –25°C to +70°C flexing: –5°C to +70°C	7,5	79
48026	SoNiCr-SoNi	K	AN 9 L	PVC	PVC	7,0	round			7,5	79
48027	SoPtRh-SoPt	S	AP 9 L	PVC	PVC	7,0	round			7,5	79
48258	Cu-CuNi (Ko)	U	AC 9 L	PVC	PVC	7,0	round			7,5	79
48479	Fe-CuNi	J	AF 9 L	PVC	PVC	7,0	round			7,5	79
48028	Fe-CuNi (Ko)	L	AE 9-2 LS	PVC	PVC/galv. steel wire braiding	7,8	round	–10°C to +80°C	stationary: –25°C to +70°C flexing: –5°C to +70°C	7,5	108
48029	SoNiCr-SoNi	K	AN 9-2 LS	PVC		7,8	round			7,5	108
48030	SoPtRh-SoPt	S	AP 9-2 LS	PVC		7,8	round			7,5	108
48259	Cu-CuNi (Ko)	U	AC 9-2 LS	PVC		7,8	round			7,5	108
48480	Fe-CuNi	J	AF 9-2 LS	PVC		7,8	round			7,5	108
48031	Fe-CuNi (Ko)	L	AE 9-2 LSY	PVC	PVC/galv. steel wire braiding/PVC	9,8	round	–10°C to +80°C	stationary: –25°C to +70°C flexing: –5°C to +70°C	7,5	147
48032	SoNiCr-SoNi	K	AN 9-2 LSY	PVC		9,8	round			7,5	147
48069	SoPtRh-SoPt	S	AP 9-2 LSY	PVC		9,8	round			7,5	147
48260	Cu-CuNi (Ko)	U	AC 9-2 LSY	PVC		9,8	round			7,5	147

L = conductor of stranded wires
M = solid conductor
tin. = tinned
galv. = galvanized

Continuation ►