

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)											
48033	Fe-CuNi (Ko)	L	AE 9 M	PVC	PVC	7,0	round	-10°C to +80°C	stationary: -25°C to +70°C flexing: -5°C to +70°C	12	79
48034	SoNiCr-SoNi	K	AN 9 M	PVC	PVC	7,0	round			12	79
48035	SoPtRh-SoPt	S	AP 9 M	PVC	PVC	7,0	round			12	79
48261	Cu-CuNi (Ko)	U	AC 9 M	PVC	PVC	7,0	round			12	79
48262	Fe-CuNi (Ko)	L	AE 9-2 MSY	PVC	PVC/galv. steel wire braiding/PVC	9,6	round	-10°C to +80°C	stationary: -25°C to +70°C flexing: -5°C to +70°C	12	144
48263	SoNiCr-SoNi	K	AN 9-2 MSY	PVC		9,6	round			12	144
48264	SoPtRh-SoPt	S	AP 9-2 MSY	PVC		9,6	round			12	144
48265	Cu-CuNi (Ko)	U	AC 9-2 MSY	PVC		9,6	round			12	144
48036	Fe-CuNi (Ko)	L	AE 10 L-SIL parallel	Silicone	glass filament	5,5x8,2	oval	-60°C to +180°C	stationary: -25°C to +180°C flexing: -25°C to +180°C (short time +200°C)	7,5	59
48037	SoNiCr-SoNi	K	AN 10 L-SIL parallel	Silicone	glass filament	5,5x8,2	oval			7,5	59
48038	SoPtRh-SoPt	S	AP 10 L-SIL parallel	Silicone	glass filament	5,5x8,2	oval			7,5	59
48266	Cu-CuNi (Ko)	U	AC 10 L-SIL parallel	Silicone	glass filament	5,5x8,2	oval			7,5	59
48039	Fe-CuNi (Ko)	L	AE 11 L	Silicone	glass filament/galv. steel wire braiding	6,3x9,0	oval	-60°C to +180°C	stationary: -25°C to +180°C flexing: -25°C to +180°C (short time +200°C)	7,5	82
48040	SoNiCr-SoNi	K	AN 11 L	Silicone		6,3x9,0	oval			7,5	82
48041	SoPtRh-SoPt	S	AP 11 L	Silicone		6,3x9,0	oval			7,5	82
48267	Cu-CuNi (Ko)	U	AC 11 L	Silicone		6,3x9,0	oval			7,5	82
48042	Fe-CuNi (Ko)	L	AE 11 Lr	Silicone	glass filament/galv. steel wire braiding	6,7	round	-60°C to +180°C	stationary: -25°C to +180°C flexing: -25°C to +180°C (short time +200°C)	7,5	83
48043	SoNiCr-SoNi	K	AN 11 Lr	Silicone		6,7	round			7,5	83
48044	SoPtRh-SoPt	S	AP 11 Lr	Silicone		6,7	round			7,5	83
48268	Cu-CuNi (Ko)	U	AC 11 Lr	Silicone		6,7	round			7,5	83
48045	Fe-CuNi (Ko)	L	AE 11 Mr	Silicone	glass filament/galv. steel wire braiding	6,5	round	-60°C to +180°C	stationary: -25°C to +180°C flexing: -25°C to +180°C (short time +200°C)	12	83
48046	SoNiCr-SoNi	K	AN 11 Mr	Silicone		6,5	round			12	83
48047	SoPtRh-SoPt	S	AP 11 Mr	Silicone		6,5	round			12	83
48269	Cu-CuNi (Ko)	U	AC 11 Mr	Silicone		6,5	round			12	83
48048	Fe-CuNi (Ko)	L	AE 12 L parallel	PVC	PVC	4,3x7,0	oval	-10°C to +80°C	stationary: -25°C to +70°C flexing: -5°C to +70°C	7,5	69
48049	SoNiCr-SoNi	K	AN 12 L parallel	PVC	PVC	4,3x7,0	oval			7,5	69
48050	SoPtRh-SoPt	S	AP 12 L parallel	PVC	PVC	4,3x7,0	oval			7,5	69
48270	Cu-CuNi (Ko)	U	AC 12 L parallel	PVC	PVC	4,3x7,0	oval			7,5	69
48481	Fe-CuNi	J	AF 12 L parallel	PVC	PVC	4,3x7,0	oval	-10°C to +80°C	stationary: -25°C to +70°C flexing: -5°C to +70°C	7,5	69
48051	Fe-CuNi (Ko)	L	AE 12 M parallel	PVC	PVC	4,2x6,8	oval			12	61
48052	SoNiCr-SoNi	K	AN 12 M parallel	PVC	PVC	4,2x6,8	oval			12	61
48053	SoPtRh-SoPt	S	AP 12 M parallel	PVC	PVC	4,2x6,8	oval			12	61
48271	Cu-CuNi (Ko)	U	AC 12 M parallel	PVC	PVC	4,2x6,8	oval	-60°C to +180°C	stationary: -25°C to +180°C flexing: -25°C to +180°C (short time +200°C)	7,5	45
48054	Fe-CuNi (Ko)	L	AE 13 L parallel	Silicone	glass filament	3,2x5,9	oval			7,5	45
48055	SoNiCr-SoNi	K	AN 13 L parallel	Silicone	glass filament	3,2x5,9	oval			7,5	45
48056	SoPtRh-SoPt	S	AP 13 L parallel	Silicone	glass filament	3,2x5,9	oval			7,5	45
48272	Cu-CuNi (Ko)	U	AC 13 L parallel	Silicone	glass filament	3,2x5,9	oval	-60°C to +180°C	stationary: -25°C to +180°C flexing: -25°C to +180°C (short time +200°C)	12	45
48057	Fe-CuNi (Ko)	L	AE 13 M	Silicone	glass filament	3,5x6,0	oval			12	45
48058	SoNiCr-SoNi	K	AN 13 M	Silicone	glass filament	3,5x6,0	oval			12	45
48059	SoPtRh-SoPt	S	AP 13 M	Silicone	glass filament	3,5x6,0	oval			12	45
48273	Cu-CuNi (Ko)	U	AC 13 M	Silicone	glass filament	3,5x6,0	oval	-60°C to +180°C	stationary: -25°C to +180°C flexing: -25°C to +180°C (short time +200°C)	7,5	196
48060	Fe-CuNi (Ko)	L	AE 14 L	Silicone	special Silicone compound, foamed/galv. steel tubing	11,7	round			7,5	196
48061	SoNiCr-SoNi	K	AN 14 L	Silicone		11,7	round			7,5	196
48062	SoPtRh-SoPt	S	AP 14 L	Silicone		11,7	round			7,5	196
48274	Cu-CuNi (Ko)	U	AC 14 L	Silicone		11,7	round			7,5	196
48063	Fe-CuNi (Ko)	L	AE 15 L	Silicone	Silicone	7,7	round	-60°C to +180°C	stationary: -25°C to +180°C flexing: -25°C to +180°C (short time +200°C)	7,5	76
48064	SoNiCr-SoNi	K	AN 15 L	Silicone	Silicone	7,7	round			7,5	76
48065	SoPtRh-SoPt	S	AP 15 L	Silicone	Silicone	7,7	round			7,5	76
48275	Cu-CuNi (Ko)	U	AC 15 L	Silicone	Silicone	7,7	round			7,5	76
48482	Fe-CuNi	J	AF 15 L	Silicone	Silicone	7,7	round	-10°C to +180°C	stationary: -25°C to +180°C flexing: -25°C to +180°C (short time +200°C)	7,5	105
48066	Fe-CuNi (Ko)	L	AE 15 LS	Silicone	Silicone/galv. steel wire braiding	7,8	round			7,5	105
48067	SoNiCr-SoNi	K	AN 15 LS	Silicone		7,8	round			7,5	105
48068	SoPtRh-SoPt	S	AP 15 LS	Silicone		7,8	round			7,5	105
48276	Cu-CuNi (Ko)	U	AC 15 LS	Silicone		7,8	round			7,5	105
48277	Fe-CuNi (Ko)	L	AE 16 L-SIL parallel	Silicone	-	2,8x5,6	oval	-10°C to +180°C	stationary: -25°C to +180°C flexing: -25°C to +180°C (short time +200°C)	7,5	38
48278	SoNiCr-SoNi	K	AN 16 L-SIL parallel	Silicone	-	2,8x5,6	oval			7,5	38
48279	SoPtRh-SoPt	S	AP 16 L-SIL parallel	Silicone	-	2,8x5,6	oval			7,5	38
48280	Cu-CuNi (Ko)	U	AC 16 L-SIL parallel	Silicone	-	2,8x5,6	oval			7,5	38
48281	Fe-CuNi (Ko)	L	AE 18 L	HELUFLO®-FEP	HELUFLO®-FEP	4,4	round	-100°C to +200°C	stationary: -25°C to +205°C flexing: -25°C to +205°C	7,5	37
48282	SoNiCr-SoNi	K	AN 18 L	HELUFLO®-FEP	HELUFLO®-FEP	4,4	round			7,5	37
48283	SoPtRh-SoPt	S	AP 18 L	HELUFLO®-FEP	HELUFLO®-FEP	4,4	round			7,5	37
48284	Cu-CuNi (Ko)	U	AC 18 L	HELUFLO®-FEP	HELUFLO®-FEP	4,4	round			7,5	37
48285	Fe-CuNi (Ko)	L	AE 19 L	HELUFLO®-FEP	PETP-tape/Cu-solid wire	5,6	round	-100°C to +200°C	stationary: -25°C to +205°C flexing: -25°C to +205°C	7,5	60
48286	SoNiCr-SoNi	K	AN 19 L	HELUFLO®-FEP	braiding	5,6	round			7,5	60
48287	SoPtRh-SoPt	S	AP 19 L	HELUFLO®-FEP		5,6	round			7,5	60
48288	Cu-CuNi (Ko)	U	AC 19 L	HELUFLO®-FEP		5,6	round			7,5	60

Continuation ►

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