

# 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 0,22 mm² (stranded wires, conductor make-up 7 x 0,20 mm)											
48200	FE-CuNi (Ko)	L	AE 1 L	PVC		1,0	round	-10°C to +80°C	stationary: -25°C to +70°C flexing: -5°C to +70°C	7,5	10
48201	SoNiCr-SoNi	K	AN 1 L	PVC		1,0	round			7,5	10
48202	SoPtRh-SoPt	S	AP 1 L	PVC		1,0	round			7,5	10
48460	Cu-CuNi (Ko)	U	AC 1 L	PVC		1,0	round			7,5	10
Single pair: 2 x 0,22 mm² (stranded wires, conductor make-up 7 x 0,20 mm)											
48203	Fe-CuNi (Ko)	L	AE 9-022	PVC	PVC	4,0	round	-10°C to +80°C	stationary: -25°C to +70°C flexing: -5°C to +70°C	7,5	22
48204	SoNiCr-SoNi	K	AN 9-022	PVC	PVC	4,0	round			7,5	22
48205	SoPtRh-SoPt	S	AP 9-022	PVC	PVC	4,0	round			7,5	22
48461	Cu-CuNi (Ko)	U	AC 9-022	PVC	PVC	4,0	round			7,5	22
48206	Fe-CuNi (Ko)	L	AE 5-022	PVC	PETP-tape/ Cu-solid wire braid. tinned/ PVC	4,9	round	-10°C to +80°C	stationary: -25°C to +70°C flexing: -5°C to +70°C	7,5	31
48207	SoNiCr-SoNi	K	AN 5-022	PVC		4,9	round			7,5	31
48208	SoPtRh-SoPt	S	AP 5-022	PVC		4,9	round			7,5	31
48462	Cu-CuNi (Ko)	U	AC 5-022	PVC		4,9	round			7,5	31
48463	Fe-CuNi (Ko)	L	AE 15-022	glass filam.	Silicone	3,4	round	-40°C to +200°C	stationary: -25°C to +180°C flexing: -25°C to +180°C (short time +200°C)	7,5	16
48464	SoNiCr-SoNi	K	AN 15-022	glass filam.	Silicone	3,4	round			7,5	16
48465	SoPtRh-SoPt	S	AP 15-022	glass filam.	Silicone	3,4	round			7,5	16
48466	Cu-CuNi (Ko)	U	AC 15-022	glass filam.	Silicone	3,4	round			7,5	16
48209	Fe-CuNi (Ko)	L	AE 15-G 022	glass filam.	Silicone/ glass filam.	3,9	round	-40°C to +200°C	stationary: -25°C to +180°C flexing: -25°C to +180°C (short time +200°C)	7,5	22
48210	SoNiCr-SoNi	K	AN 15-G 022	glass filam.		3,9	round			7,5	22
48211	SoPtRh-SoPt	S	AP 15-G 022	glass filam.		3,9	round			7,5	22
48467	Cu-CuNi (Ko)	U	AC 15-G 022	glass filam.		3,9	round			7,5	22
48212	Fe-CuNi (Ko)	L	AE (GI-SIL-GI-S)	glass filam.	Silicone/ glass filament/ galv. steel wire braiding	5,0	round	-40°C to +200°C	stationary: -25°C to +180°C flexing: -25°C to +180°C (short time +200°C)	7,5	25
48213	SoNiCr-SoNi	K	AN (GI-SIL-GI-S)	glass filam.		5,0	round			7,5	25
48214	SoPtRh-SoPt	S	AP (GI-SIL-GI-S)	glass filam.		5,0	round			7,5	25
48468	Cu-CuNi (Ko)	U	AC (GI-SIL-GI-S)	glass filam.		5,0	round			7,5	25
Single pair: 2 x 0,5 mm² (stranded wires, conductor make-up 16 x 0,20 mm)											
48215	Fe-CuNi (Ko)	L	AE (GI-SIL)	glass filam.	Silicone	4,6	round	-40°C to +200°C	stationary: -25°C to +200°C flexing: -25°C to +200°C	7,5	18
48216	SoNiCr-SoNi	K	AN (GI-SIL)	glass filam.	Silicone	4,6	round			7,5	18
48217	SoPtRh-SoPt	S	AP (GI-SIL)	glass filam.	Silicone	4,6	round			7,5	18
48469	Cu-CuNi (Ko)	U	AC (GI-SIL)	glass filam.	Silicone	4,6	round			7,5	18
Single pair: 2 x 0,75 mm² (stranded wires, conductor make-up 24 x 0,20 mm)											
48218	Fe-CuNi (Ko)	L	AE (PVC-PVC)	PVC	PVC	6,0	round	-10°C to +80°C	stationary: -25°C to +70°C flexing: -5°C to +70°C	7,5	25
48219	SoNiCr-SoNi	K	AN (PVC-PVC)	PVC	PVC	6,0	round			7,5	25
48220	SoPtRh-SoPt	S	AP (PVC-PVC)	PVC	PVC	6,0	round			7,5	25
48470	Cu-CuNi (Ko)	U	AC (PVC-PVC)	PVC	PVC	6,0	round			7,5	25
Multi-paired: 4 x 0,22 mm² (stranded wires, conductor make-up 7 x 0,20 mm)											
48221	Fe-CuNi (Ko)	L	AE (PVC-PVC)	PVC	PVC	6,0	round	-10°C to +80°C	stationary: -20°C to +80°C flexing: -5°C to +80°C	7,5	33
48222	SoNiCr-SoNi	K	AN (PVC-PVC)	PVC	PVC	6,0	round			7,5	33
48223	SoPtRh-SoPt	S	AP (PVC-PVC)	PVC	PVC	6,0	round			7,5	33
48471	Cu-CuNi (Ko)	U	AC (PVC-PVC)	PVC	PVC	6,0	round			7,5	33
48224	Fe-CuNi (Ko)	L	AE (PVC-C-PVC)	PVC	galv. Cu-braiding/ PVC-jacket	6,0	round	-10°C to +80°C	stationary: -20°C to +80°C flexing: -5°C to +80°C	7,5	37
48225	SoNiCr-SoNi	K	AN (PVC-C-PVC)	PVC		6,0	round			7,5	37
48226	SoPtRh-SoPt	S	AP (PVC-C-PVC)	PVC		6,0	round			7,5	37
48472	Cu-CuNi (Ko)	U	AC (PVC-C-PVC)	PVC		6,0	round			7,5	37
48227	Fe-CuNi (Ko)	L	AE (GI-SIL)	glass filam.	Silicone	6,0	round	-40°C to +200°C	stationary: -25°C to +180°C flexing: -25°C to +180°C	7,5	35
48228	SoNiCr-SoNi	K	AN (GI-SIL)	glass filam.	Silicone	6,0	round			7,5	35
48229	SoPtRh-SoPt	S	AP (GI-SIL)	glass filam.	Silicone	6,0	round			7,5	35
48473	Cu-CuNi (Ko)	U	AC (GI-SIL)	glass filam.	Silicone	6,0	round			7,5	35
Multi-paired: 4 x 1,5 mm² (stranded wires, conductor make-up 48 x 0,20 mm)											
48474	Fe-CuNi (Ko)	L	AE 11-4 Lr	Silicone	glass filament/ galv. steel wire braiding	7,8	round	-60°C to +180°C	stationary: -25°C to +180°C flexing: -25°C to +180°C (short time +200°C)	7,5	11,8
48475	SoNiCr-SoNi	K	AN 11-4 Lr	Silicone		7,8	round			7,5	11,8
48476	SoPtRh-SoPt	S	AP 11-4 Lr	Silicone		7,8	round			7,5	11,8
48477	Cu-CuNi (Ko)	U	AC 11-4 Lr	Silicone		7,8	round			7,5	11,8

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