

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 | | stationary: -25°C to +70°C | 12 | 79 |
| 48034 | SoNiCr-SoNi | K | AN 9 M | PVC | PVC | 7,0 | round | -10°C to +80°C | flexing: -5°C to +70°C | 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 | | 9,6 | round | | stationary: -25°C to +70°C | 12 | 144 |
| 48263 | SoNiCr-SoNi | K | AN 9-2 MSY | PVC | PVC/galv. steel wire braiding/ | 9,6 | round | -10°C to +80°C | flexing: -5°C to +70°C | 12 | 144 |
| 48264 | SoPtRh-SoPt | S | AP 9-2 MSY | PVC | 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 | | stationary: -25°C to +180°C | 7,5 | 59 |
| 48037 | SoNiCr-SoNi | K | AN 10 L-SIL parallel | Silicone | glass filament | 5,5x8,2 | oval | -60°C to +180°C | flexing: -25°C to +180°C | 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 | | (short time +200°C) | 7,5 | 59 |
| 48039 | Fe-CuNi (Ko) | L | AE 11 L | Silicone | | 6,3x9,0 | oval | | stationary: -25°C to +180°C | 7,5 | 82 |
| 48040 | SoNiCr-SoNi | K | AN 11 L | Silicone | glass filament/ galv. steel wire braiding | 6,3x9,0 | oval | -60°C to +180°C | flexing: -25°C to +180°C | 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 | | (short time +200°C) | 7,5 | 82 |
| 48042 | Fe-CuNi (Ko) | L | AE 11 Lr | Silicone | | 6,7 | round | | stationary: -25°C to +180°C | 7,5 | 83 |
| 48043 | SoNiCr-SoNi | K | AN 11 Lr | Silicone | glass filament/ galv. steel wire braiding | 6,7 | round | -60°C to +180°C | flexing: -25°C to +180°C | 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 | | (short time +200°C) | 7,5 | 83 |
| 48045 | Fe-CuNi (Ko) | L | AE 11 Mr | Silicone | | 6,5 | round | | stationary: -25°C to +180°C | 12 | 83 |
| 48046 | SoNiCr-SoNi | K | AN 11 Mr | Silicone | glass filament/ galv. steel wire braiding | 6,5 | round | -60°C to +180°C | flexing: -25°C to +180°C | 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 | | (short time +200°C) | 12 | 83 |
| 48048 | Fe-CuNi (Ko) | L | AE 12 L parallel | PVC | PVC | 4,3x7,0 | oval | | stationary: -25°C to +70°C | 7,5 | 69 |
| 48049 | SoNiCr-SoNi | K | AN 12 L parallel | PVC | PVC | 4,3x7,0 | oval | -10°C to +80°C | flexing: -5°C to +70°C | 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 | | | 7,5 | 69 |
| 48051 | Fe-CuNi (Ko) | L | AE 12 M parallel | PVC | PVC | 4,2x6,8 | oval | | stationary: -25°C to +70°C | 12 | 61 |
| 48052 | SoNiCr-SoNi | K | AN 12 M parallel | PVC | PVC | 4,2x6,8 | oval | -10°C to +80°C | flexing: -5°C to +70°C | 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 | | | 12 | 61 |
| 48054 | Fe-CuNi (Ko) | L | AE 13 L parallel | Silicone | glass filament | 3,2x5,9 | oval | | stationary: -25°C to +180°C | 7,5 | 45 |
| 48055 | SoNiCr-SoNi | K | AN 13 L parallel | Silicone | glass filament | 3,2x5,9 | oval | -60°C to +180°C | flexing: -25°C to +180°C | 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 | | (short time +200°C) | 7,5 | 45 |
| 48057 | Fe-CuNi (Ko) | L | AE 13 M | Silicone | glass filament | 3,5x6,0 | oval | | stationary: -25°C to +180°C | 12 | 45 |
| 48058 | SoNiCr-SoNi | K | AN 13 M | Silicone | glass filament | 3,5x6,0 | oval | -60°C to +180°C | flexing: -25°C to +180°C | 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 | | (short time +200°C) | 12 | 45 |
| 48060 | Fe-CuNi (Ko) | L | AE 14 L | Silicone | | 11,7 | round | | stationary: -25°C to +180°C | 7,5 | 196 |
| 48061 | SoNiCr-SoNi | K | AN 14 L | Silicone | special Silicone compound, foamed/ galv. steel tubing | 11,7 | round | -60°C to +180°C | flexing: -25°C to +180°C | 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 | | (short time +200°C) | 7,5 | 196 |
| 48063 | Fe-CuNi (Ko) | L | AE 15 L | Silicone | Silicone | 7,7 | round | | stationary: -25°C to +180°C | 7,5 | 76 |
| 48064 | SoNiCr-SoNi | K | AN 15 L | Silicone | Silicone | 7,7 | round | -60°C to +180°C | flexing: -25°C to +180°C | 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 | | (short time +200°C) | 7,5 | 76 |
| 48482 | Fe-CuNi | J | AF 15 L | Silicone | Silicone | 7,7 | round | | | 7,5 | 76 |
| 48066 | Fe-CuNi (Ko) | L | AE 15 LS | Silicone | | 7,8 | round | | stationary: -25°C to +180°C | 7,5 | 105 |
| 48067 | SoNiCr-SoNi | K | AN 15 LS | Silicone | Silicone/ galv. steel wire braiding | 7,8 | round | -10°C to +180°C | flexing: -25°C to +180°C | 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 | | (short time +200°C) | 7,5 | 105 |
| 48277 | Fe-CuNi (Ko) | L | AE 16 L-SIL parallel | Silicone | - | 2,8x5,6 | oval | | stationary: -25°C to +180°C | 7,5 | 38 |
| 48278 | SoNiCr-SoNi | K | AN 16 L-SIL parallel | Silicone | - | 2,8x5,6 | oval | -10°C to +180°C | flexing: -25°C to +180°C | 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 | | (short time +200°C) | 7,5 | 38 |
| 48281 | Fe-CuNi (Ko) | L | AE 18 L | HELUFLO [®] -FEP | HELUFLO [®] -FEP | 4,4 | round | | stationary: -25°C to +205°C | 7,5 | 37 |
| 48282 | SoNiCr-SoNi | K | AN 18 L | HELUFLO [®] -FEP | HELUFLO [®] -FEP | 4,4 | round | -100°C to +200°C | flexing: -25°C to +205°C | 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 braiding | 5,6 | round | | stationary: -25°C to +205°C | 7,5 | 60 |
| 48286 | SoNiCr-SoNi | K | AN 19 L | HELUFLO [®] -FEP | | 5,6 | round | -100°C to +200°C | flexing: -25°C to +205°C | 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 | HELUFLO [®] -FEP | 5,6 | round | | | 7,5 | 60 |

Continuation ▶

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