

# 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<br>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<br>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/<br>Cu-solid wire braid,<br>tinned/<br>PVC         | 4,9            | round | -10°C to +80°C                     | stationary: -25°C to +70°C<br>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<br>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/<br>glass filam.                                    | 3,9            | round | -40°C to +200°C                    | stationary: -25°C to +180°C<br>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/<br>glass filament/<br>galv. steel wire<br>braiding | 5,0            | round | -40°C to +200°C                    | stationary: -25°C to +180°C<br>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               |