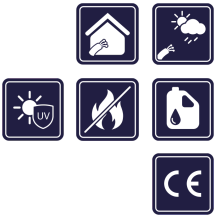


USE OF CABLE

as highly flexible connection and control cable for high electrical and normal mechanical requirements in cable drag chains and motion drive systems in machine and plant construction.

TC-ER and MTW approvals enable open wiring on cable trays as well as the usage for industrial machines with only one cable



SPECIAL FEATURES

- UL/CSA approval
- low adhesion, silicone-free
- increased oil-resistant special PVC outer sheath, largely resistant to greases, coolants and lubricants acids and alkalis - oil-resistant according to UL OIL RES I
- water resistant according to UL wet approval 75°C
- Flame retardant acc. to IEC 60332-1-2, CSA FT4, UL Vertical Tray Flame Test
- UV-resistant

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- acc. to NFPA 79 and NEC "National Electrical Code" Art. 336, 392, 501

PRODUCT INFORMATION

|                              |                                                                                                     |
|------------------------------|-----------------------------------------------------------------------------------------------------|
| Conductor material:          | Bare copper strand                                                                                  |
| Conductor class:             | Acc. to IEC 60228 cl. 6                                                                             |
| Core insulation:             | PVC                                                                                                 |
| Core identification:         | Acc. to DIN VDE 0293 black cores with white numerals; G = GNYE                                      |
| Stranding:                   | Cores stranded in layers                                                                            |
| Outer sheath:                | PVC                                                                                                 |
| Sheath colour:               | Black RAL 9005                                                                                      |
| Rated voltage:               | IEC: 300/500 V; UL/CSA: 600V (TC, MTW, CIC), 1.000V (WTTC, AWM)                                     |
| Testing voltage:             | 6 kV                                                                                                |
| Conductor resistance:        | At +20 °C acc. to IEC 60228 cl. 6                                                                   |
| Insulation resistance:       | At +20 °C $\geq 20 \text{ M}\Omega \times \text{km}$                                                |
| Current-carrying-capacity:   | Acc. to DIN VDE                                                                                     |
| Min. bending radius fixed:   | 4 x d                                                                                               |
| Min. bending radius moved:   | 7,5 x d < 10m TL   10 x d $\geq 10\text{m TL}$                                                      |
| Operat. temp. fixed min/max: | -40 °C / +90 °C                                                                                     |
| Operat. temp. moved min/max: | -5 °C / +90 °C                                                                                      |
| Burning behavior:            | Flame-retardant acc. to IEC 60332-1, IEC 60332-3A, UL: Vertical-Tray Flame Test, CSA; FT4           |
| Resistant to oil:            | UL 1277 and UL 1063 (oil-resistant acc. to UL OIL RES I and water-resistant, UL wet approval 75 °C) |
| Standard:                    | UL 1277, UL 1063 (MTW), NEC 336.10 (7) class1, Div. 2 acc. NEC Art. 336, 392, 501                   |
| Approvals:                   | UL/CSA - cULus & cURus 1.000V, 90°C (AWM, WTTC) and cULus & cURus 600V, 90°C (TC-ER, MTW, CIC)      |
| Acceleration:                | Max. 10 m/s <sup>2</sup>                                                                            |

ITEM OVERVIEW

| Product No. | Dimension [n x mm²] | Outer-Ø [mm] | Cu-Index [kg/km] | Weight [kg/1.000] | sheath colour | Variant                              |
|-------------|---------------------|--------------|------------------|-------------------|---------------|--------------------------------------|
| 1500317     | 2 X 1 (AWG 18)      | 8,0          | 19,20            | 90,00             | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500326     | 3 G 1 (AWG 18)      | 8,6          | 28,80            | 111,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500328     | 4 G 1 (AWG 18)      | 9,3          | 38,40            | 133,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500333     | 5 G 1 (AWG 18)      | 10,3         | 48,00            | 161,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500334     | 7 G 1 (AWG 18)      | 12,3         | 67,20            | 223,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500335     | 12 G 1 (AWG 18)     | 15,1         | 115,20           | 355,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500339     | 18 G 1 (AWG 18)     | 17,6         | 172,80           | 494,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500346     | 25 G 1 (AWG 18)     | 20,9         | 240,00           | 696,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500349     | 2 X 1,5 (AWG 16)    | 8,6          | 28,80            | 109,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500351     | 3 G 1,5 (AWG 16)    | 9,3          | 43,20            | 136,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |

KAWEFLEX® 6110 TRAY SK-PVC UL/CSA

| Product No. | Dimension [n x mm²] | Outer-Ø [mm] | Cu-Index [kg/km] | Weight [kg/1.000] | sheath colour | Variant                              |
|-------------|---------------------|--------------|------------------|-------------------|---------------|--------------------------------------|
| 1500352     | 4 G 1,5 (AWG 16)    | 10,0         | 57,60            | 163,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500353     | 5 G 1,5 (AWG 16)    | 11,2         | 72,00            | 199,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500355     | 7 G 1,5 (AWG 16)    | 14,1         | 100,80           | 277,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500364     | 12 G 1,5 (AWG 16)   | 16,4         | 172,80           | 446,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500365     | 18 G 1,5 (AWG 16)   | 19,2         | 259,20           | 627,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500366     | 25 G 1,5 (AWG 16)   | 23,7         | 360,00           | 938,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500372     | 2 X 2,5 (AWG 14)    | 9,4          | 48,00            | 141,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500376     | 3 G 2,5 (AWG 14)    | 10,2         | 72,00            | 179,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500378     | 4 G 2,5 (AWG 14)    | 11,0         | 96,00            | 217,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500385     | 5 G 2,5 (AWG 14)    | 12,3         | 120,00           | 265,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500388     | 7 G 2,5 (AWG 14)    | 15,5         | 168,00           | 400,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500390     | 12 G 2,5 (AWG 14)   | 18,1         | 288,00           | 603,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500391     | 3 G 4 (AWG 12)      | 11,6         | 115,20           | 247,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500393     | 4 G 4 (AWG 12)      | 12,6         | 153,60           | 304,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500396     | 5 G 4 (AWG 12)      | 14,9         | 192,00           | 398,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500401     | 7 G 4 (AWG 12)      | 17,8         | 268,80           | 574,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500406     | 3 G 6 (AWG 10)      | 13,1         | 172,80           | 358,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500413     | 4 G 6 (AWG 10)      | 15,0         | 230,40           | 438,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500416     | 5 G 6 (AWG 10)      | 16,8         | 288,00           | 537,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500418     | 4 G 10 (AWG 8)      | 19,3         | 384,00           | 727,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500424     | 5 G 10 (AWG 8)      | 22,7         | 480,00           | 951,00            | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500427     | 4 G 16 (AWG 6)      | 24,8         | 614,40           | 1185,00           | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500429     | 5 G 16 (AWG 6)      | 27,9         | 768,00           | 1465,00           | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500436     | 4 G 25 (AWG 4)      | 27,7         | 960,00           | 1617,00           | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |
| 1500438     | 4 G 35 (AWG 2)      | 32,2         | 1344,00          | 2227,00           | black         | V0: KAWEFLEX 6110 TRAY SK-PVC UL/CSA |