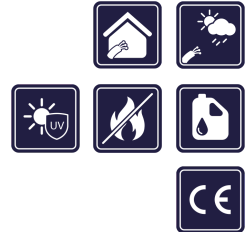


USE OF CABLE

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 ²

ITEM OVERVIEW

Product No.	Dimension [n x mm ²]	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

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
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
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