



## USE OF CABLE

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



## SPECIAL FEATURES

- UL/CSA approved, conform to DESINA
- low adhesion, silicone-free
- flame-retardant acc. to IEC 60332-1-2, FT1, VW-1
- oilresistant acc. to DIN EN 60811-404 (only mineral oil)
- largely resistant to grease, coolant fluids and lubricants
- due to 600 V UL/CSA approval parallel laying with other 600 V cables is permitted

## REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- NEW: with reduced outer diameters, for smaler design, lower bending radii and lower wight; up from production date January 2020

## PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Acc. to DIN VDE 0295 class 6 pt. 4 resp. IEC 60228 cl. 6 pt. 4
Core insulation:	PVC
Core identification:	Acc. to DIN VDE 0293 black wires with white numerals, 1 x GNYE
Overall stranding:	Cores stranded in layers
Outer sheath:	PVC
Sheath colour:	Grey RAL 7001
Rated voltage:	Acc. to IEC: 300/500 V; acc. to UL: 600 V
Testing voltage:	4 kV
Conductor resistance:	At +20 °C acc. to DIN VDE 0295 cl. 6 resp. 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 < 10 m TL   10 x d $\geq 10$ 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 60332-1-2, FT1, VW-1
Approvals:	UL/CSA - cURus 600V, 90°C
Speed:	Self-supporting: max. 5 m/s, gliding: max. 2,5 m/s
Acceleration:	Max. 10 m/s <sup>2</sup>
Bending cycles:	Up to 5 Mio.

## ITEM OVERVIEW

Product No.	Dimension [n x mm <sup>2</sup> ]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1504599	2 X 0,5 (AWG 21)	5,0	9,60	40,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504600	3 G 0,5 (AWG 21)	5,4	14,40	50,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504601	4 G 0,5 (AWG 21)	5,8	19,20	62,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504602	5 G 0,5 (AWG 21)	6,4	24,00	74,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504603	7 G 0,5 (AWG 21)	7,6	33,60	106,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504604	12 G 0,5 (AWG 21)	9,0	57,60	144,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504605	18 G 0,5 (AWG 21)	10,5	86,40	224,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504606	25 G 0,5 (AWG 21)	12,7	120,00	308,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504607	30 G 0,5 (AWG 21)	13,4	144,00	336,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504608	36 G 0,5 (AWG 21)	14,5	172,80	394,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504609	2 X 0,75 (AWG 19)	5,4	14,40	49,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA

# KAWEFLEX® 6110 SK-PVC UL/CSA

Product No.	Dimension [n x mm <sup>2</sup> ]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1504610	3 G 0,75 (AWG 19)	5,8	21,60	61,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504611	4 G 0,75 (AWG 19)	6,3	28,80	77,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504612	5 G 0,75 (AWG 19)	7,0	36,00	92,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504613	7 G 0,75 (AWG 19)	8,3	50,40	132,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504614	12 G 0,75 (AWG 19)	9,8	86,40	188,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504615	18 G 0,75 (AWG 19)	11,7	129,60	293,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504616	25 G 0,75 (AWG 19)	14,1	180,00	399,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504617	36 G 0,75 (AWG 19)	16,2	259,20	540,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504618	42 G 0,75 (AWG 19)	17,7	302,40	635,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504619	2 X 1 (AWG 18)	5,7	19,20	58,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504620	3 G 1 (AWG 18)	6,2	28,80	74,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504621	4 G 1 (AWG 18)	6,6	38,40	92,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504622	5 G 1 (AWG 18)	7,4	48,00	116,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504623	7 G 1 (AWG 18)	9,0	67,20	164,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1505374	8 G 1 (AWG 18)	9,7	80,00	184,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504624	12 G 1 (AWG 18)	10,5	115,20	234,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504625	18 G 1 (AWG 18)	12,5	172,80	363,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504626	25 G 1 (AWG 18)	15,3	240,00	500,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1505175	36 G 1 (AWG 18)	17,5	346,00	620,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504627	2 X 1,5 (AWG 16)	6,3	28,80	72,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504628	3 G 1,5 (AWG 16)	6,8	43,20	93,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504629	4 G 1,5 (AWG 16)	7,4	57,60	117,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504630	5 G 1,5 (AWG 16)	8,3	72,00	148,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504631	7 G 1,5 (AWG 16)	10,0	100,80	210,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504632	12 G 1,5 (AWG 16)	11,9	172,80	304,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504633	18 G 1,5 (AWG 16)	14,2	259,20	479,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504634	25 G 1,5 (AWG 16)	17,4	360,00	666,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504635	36 G 1,5 (AWG 16)	19,8	518,40	867,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504636	42 G 1,5 (AWG 16)	22,0	604,80	1020,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1505599	50 G 1,5 (AWG 16)	24,3	720,00	1051,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504637	3 G 2,5 (AWG 14)	8,2	72,00	146,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504638	4 G 2,5 (AWG 14)	9,0	96,00	191,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504639	5 G 2,5 (AWG 14)	10,1	120,00	239,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504640	7 G 2,5 (AWG 14)	12,3	168,00	339,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504641	12 G 2,5 (AWG 14)	14,7	288,00	499,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504642	3 G 4 (AWG 12)	9,7	115,20	211,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504643	4 G 4 (AWG 12)	10,5	153,60	276,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504644	5 G 4 (AWG 12)	12,1	192,00	345,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504645	3 G 6 (AWG 10)	11,8	172,80	302,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504646	4 G 6 (AWG 10)	12,8	230,40	393,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504647	5 G 6 (AWG 10)	14,7	288,00	498,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504648	4 G 10 (AWG 8)	16,7	384,00	681,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504649	5 G 10 (AWG 8)	19,0	480,00	848,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA

# KAWEFLEX® 6110 SK-PVC UL/CSA

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1504650	4 G 16 (AWG 6)	19,8	614,40	1001,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
1504651	5 G 16 (AWG 6)	22,8	768,00	1254,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA