



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 smaller design, lower bending radii and lower weight; 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 ≥ 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 ²
Bending cycles:	Up to 5 Mio.

ITEM OVERVIEW

Product No.	Dimension [n x mm ²]	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 ²]	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 mm ²]	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