



USE OF CABLE

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



SPECIAL FEATURES

- UL/CSA approved, conform to DESINA, conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- 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) and 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

- We are pleased to produce special versions, other dimensions, core and jacket colours on request.
- 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 5 resp. IEC 60228 cl. 5
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. 5 resp. IEC 60228 cl. 5
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:	10 x d < 3 m TL 12,5 x d $\geq 3 \text{ m TL}$
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 60332-1-2, FT1, VW-1
Approvals:	UL/CSA - cURus 600V, 90°C
Speed:	Self-supporting: max. 3 m/s
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
1504552	2 X 0,5 (AWG 21)	4,9	9,60	40,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504553	3 G 0,5 (AWG 21)	5,2	14,40	50,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504554	4 G 0,5 (AWG 21)	5,6	19,20	62,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504555	5 G 0,5 (AWG 21)	6,2	24,00	74,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504556	7 G 0,5 (AWG 21)	7,5	33,60	106,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504557	12 G 0,5 (AWG 21)	8,7	57,60	144,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504558	18 G 0,5 (AWG 21)	10,5	86,40	224,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504559	25 G 0,5 (AWG 21)	12,5	120,00	308,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA

KAWEFLEX® 6100 ECO SK-PVC UL/CSA

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1504560	2 X 0,75 (AWG 19)	5,3	14,40	49,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504561	3 G 0,75 (AWG 19)	5,6	21,60	61,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504562	4 G 0,75 (AWG 19)	6,1	28,80	77,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504563	5 G 0,75 (AWG 19)	6,7	36,00	92,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504564	7 G 0,75 (AWG 19)	8,2	50,40	132,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504565	12 G 0,75 (AWG 19)	9,5	86,40	188,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504566	18 G 0,75 (AWG 19)	11,7	129,60	293,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504567	25 G 0,75 (AWG 19)	13,9	180,00	399,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504568	2 X 1 (AWG 18)	5,6	19,20	58,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504569	3 G 1 (AWG 18)	6,0	28,80	74,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504570	4 G 1 (AWG 18)	6,5	38,40	92,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504571	5 G 1 (AWG 18)	7,1	48,00	116,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504572	7 G 1 (AWG 18)	8,8	67,20	164,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504573	12 G 1 (AWG 18)	10,1	115,20	234,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504574	18 G 1 (AWG 18)	12,5	172,80	363,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504575	25 G 1 (AWG 18)	14,9	240,00	500,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504576	2 X 1,5 (AWG 16)	6,2	28,80	72,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504577	3 G 1,5 (AWG 16)	6,6	43,20	93,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504578	4 G 1,5 (AWG 16)	7,2	57,60	117,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504579	5 G 1,5 (AWG 16)	7,9	72,00	148,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504580	7 G 1,5 (AWG 16)	9,8	100,80	210,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504581	12 G 1,5 (AWG 16)	11,5	172,80	304,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504582	18 G 1,5 (AWG 16)	14,2	259,20	479,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504583	25 G 1,5 (AWG 16)	16,9	360,00	666,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504584	3 G 2,5 (AWG 14)	7,9	72,00	146,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504585	4 G 2,5 (AWG 14)	8,7	96,00	191,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504586	5 G 2,5 (AWG 14)	9,6	120,00	239,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504587	7 G 2,5 (AWG 14)	12,1	168,00	339,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504588	12 G 2,5 (AWG 14)	14,2	288,00	499,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504589	3 G 4 (AWG 12)	9,3	115,20	211,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504590	4 G 4 (AWG 12)	10,3	153,60	276,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504591	5 G 4 (AWG 12)	11,5	192,00	345,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504592	3 G 6 (AWG 10)	11,1	172,80	302,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504593	4 G 6 (AWG 10)	12,2	230,40	393,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504594	5 G 6 (AWG 10)	13,7	288,00	498,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504595	4 G 10 (AWG 8)	15,9	384,00	681,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504596	5 G 10 (AWG 8)	17,9	480,00	848,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504597	4 G 16 (AWG 6)	18,5	614,40	1001,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
1504598	5 G 16 (AWG 6)	21,3	768,00	1254,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA