



## USE OF CABLE

as highly flexible, low capacity power and control cable for high electrical and 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
- UV-resistant
- halogen free, flame-retardant acc. to IEC 60332-1-2, FT1
- oilresistant acc. to DIN EN 60811-404
- largely resistant to grease, coolant fluids and lubricants
- due to 1.000 V UL/CSA approval parallel laying with other 1.000 V cables is permitted

## REMARKS

- conform to RoHS and to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.
- NEW: with reduced outer diameters, for smaler 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:	PELON®2
Core identification:	Acc. to DIN VDE 0293 black wires with white numerals, 1 x GNYE
Overall stranding:	Cores stranded in layers
Outer sheath:	PUR
Sheath colour:	Grey RAL 7001
Rated voltage:	Acc. to IEC: 600/1.000V   acc. to UL: 1.000 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 $\geq 10 \text{ m TL}$
Operat. temp. fixed min/max:	-50 °C / +80 °C
Operat. temp. moved min/max:	-40 °C / +80 °C
Halogen free:	Halogen-free acc. to IEC 60754-1
Burning behavior:	Flame-retardant acc. to IEC 60332-1-2, FT1
Approvals:	UL/CSA - cURus 1.000V, 80°C
Speed:	Self-supporting: max. 10 m/s, gliding: max. 5 m/s
Acceleration:	Max. 20 m/s <sup>2</sup>

## 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
1504657	2 X 0,5 (AWG 21)	5,0	9,60	30,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504658	3 G 0,5 (AWG 21)	5,4	14,40	39,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504659	4 G 0,5 (AWG 21)	5,8	19,20	46,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504660	5 G 0,5 (AWG 21)	6,4	24,00	55,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504661	7 G 0,5 (AWG 21)	7,8	33,60	78,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504662	12 G 0,5 (AWG 21)	9,2	57,60	121,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504663	18 G 0,5 (AWG 21)	11,0	86,40	172,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504664	25 G 0,5 (AWG 21)	13,0	120,00	245,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504665	30 G 0,5 (AWG 21)	13,7	144,00	267,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504666	36 G 0,5 (AWG 21)	15,0	173,00	321,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504667	2 X 0,75 (AWG 19)	5,4	14,40	39,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1504668	3 G 0,75 (AWG 19)	5,8	21,60	49,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504669	4 G 0,75 (AWG 19)	6,3	28,80	60,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504670	5 G 0,75 (AWG 19)	7,0	36,00	72,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504671	7 G 0,75 (AWG 19)	8,5	50,40	103,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504672	12 G 0,75 (AWG 19)	10,0	86,40	163,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504673	18 G 0,75 (AWG 19)	12,2	129,60	233,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504674	25 G 0,75 (AWG 19)	14,4	180,00	338,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504675	36 G 0,75 (AWG 19)	16,6	260,00	444,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504676	42 G 0,75 (AWG 19)	18,1	303,00	523,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504677	2 X 1 (AWG 18)	5,9	19,20	46,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504678	3 G 1 (AWG 18)	6,4	28,80	60,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504679	4 G 1 (AWG 18)	6,9	38,40	73,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504680	5 G 1 (AWG 18)	7,9	48,00	92,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504681	7 G 1 (AWG 18)	9,5	67,20	129,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504682	12 G 1 (AWG 18)	11,4	115,20	202,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504683	18 G 1 (AWG 18)	13,7	172,80	296,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504684	25 G 1 (AWG 18)	16,4	240,00	426,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1505177	36 G 1 (AWG 18)	18,6	346,00	529,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1505676	41 G 1 (AWG 18)	20,0	410,00	559,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504685	2 X 1,5 (AWG 16)	6,5	28,80	60,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504686	3 G 1,5 (AWG 16)	7,0	43,20	78,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504687	4 G 1,5 (AWG 16)	7,8	57,60	100,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504688	5 G 1,5 (AWG 16)	8,9	72,00	122,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504689	7 G 1,5 (AWG 16)	10,8	100,80	178,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504690	12 G 1,5 (AWG 16)	12,7	172,80	276,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504691	18 G 1,5 (AWG 16)	15,5	259,20	405,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504692	25 G 1,5 (AWG 16)	18,5	360,00	580,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504693	36 G 1,5 (AWG 16)	21,2	519,00	771,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504694	42 G 1,5 (AWG 16)	23,1	605,00	909,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504695	3 G 2,5 (AWG 14)	8,5	72,00	122,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504696	4 G 2,5 (AWG 14)	9,4	96,00	154,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504697	5 G 2,5 (AWG 14)	10,7	120,00	192,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504698	7 G 2,5 (AWG 14)	12,9	168,00	272,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504699	12 G 2,5 (AWG 14)	15,5	288,00	436,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504700	18 G 2,5 (AWG 14)	18,7	432,00	628,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504701	25 G 2,5 (AWG 14)	22,5	600,00	903,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504702	3 G 4 (AWG 12)	10,1	115,20	180,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504703	4 G 4 (AWG 12)	11,1	153,60	228,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504704	5 G 4 (AWG 12)	12,7	192,00	287,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504705	3 G 6 (AWG 10)	12,3	172,80	268,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504706	4 G 6 (AWG 10)	13,5	230,40	339,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504707	5 G 6 (AWG 10)	15,3	288,00	424,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504708	4 G 10 (AWG 8)	16,4	384,00	534,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA

# KAWEFLEX® 6130 SK-PUR UL/CSA

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1504709	5 G 10 (AWG 8)	18,6	480,00	666,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504710	4 G 16 (AWG 6)	20,2	614,40	832,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
1504717	5 G 16 (AWG 6)	23,1	768,00	1048,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA