



USE OF CABLE

as highly flexible, low capacity, shielded power and control cable for EMC-compliant connecting at high electrical and mechanical requirements in drag chains and motion drive systems in machine and plant engineering.



SPECIAL FEATURES

- UL/CSA approved
- 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
- recommended for EMC-compatible applications
- due to 1.000 V UL/CSA approval parallel laying with other 1.000 V cables is permitted

REMARKS

- conform to RoHS and 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- cables for torsional stress see chapter 4.25
- 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
Shield3:	Copper braid tinned, coverage approx. 85%
Outer sheath:	PUR
Sheath colour:	Grey RAL 7001
Rated voltage:	Acc. to IEC: 600/1000 V; acc. to UL: 1000 V
Testing voltage:	Core/core: 4 kV, core/shield: 2 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 ²

ITEM OVERVIEW

Product No.	Dimension [n x mm ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1504811	2 X 0,5 (AWG 21)	5,6	27,00	45,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504812	3 G 0,5 (AWG 21)	6,0	32,00	52,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504813	4 G 0,5 (AWG 21)	6,4	43,00	65,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504814	5 G 0,5 (AWG 21)	7,0	47,00	72,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504815	7 G 0,5 (AWG 21)	8,4	62,00	99,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504816	12 G 0,5 (AWG 21)	9,8	92,00	140,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504817	18 G 0,5 (AWG 21)	11,8	132,00	204,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504818	25 G 0,5 (AWG 21)	14,0	191,00	286,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504819	36 G 0,5 (AWG 21)	14,7	219,00	370,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504820	2 X 0,75 (AWG 19)	6,0	32,00	52,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA

KAWEFLEX® 6230 SK-C-PUR UL/CSA

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1504821	3 G 0,75 (AWG 19)	6,4	45,00	66,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504822	4 G 0,75 (AWG 19)	6,9	52,00	77,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504823	5 G 0,75 (AWG 19)	7,8	65,00	96,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504824	7 G 0,75 (AWG 19)	9,3	85,00	129,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504825	12 G 0,75 (AWG 19)	10,8	126,00	185,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504826	18 G 0,75 (AWG 19)	12,8	181,00	261,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504827	25 G 0,75 (AWG 19)	15,4	261,00	375,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504828	36 G 0,75 (AWG 19)	17,6	315,00	496,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504829	42 G 0,75 (AWG 19)	19,1	363,00	579,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504830	2 X 1 (AWG 18)	6,5	43,00	65,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504831	3 G 1 (AWG 18)	7,0	52,00	75,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504832	4 G 1 (AWG 18)	7,7	67,00	97,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504833	5 G 1 (AWG 18)	8,5	77,00	111,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504834	7 G 1 (AWG 18)	10,1	102,00	150,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504835	12 G 1 (AWG 18)	12,1	161,00	229,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504836	18 G 1 (AWG 18)	14,7	244,00	343,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504837	25 G 1 (AWG 18)	17,2	331,00	462,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504838	2 X 1,5 (AWG 16)	7,1	52,00	76,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1505600	3 X 1,5 (AWG 16)	7,8	72,00	100,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504839	3 G 1,5 (AWG 16)	7,8	72,00	100,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504840	4 G 1,5 (AWG 16)	8,4	86,00	121,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504841	5 G 1,5 (AWG 16)	9,5	106,00	148,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504842	7 G 1,5 (AWG 16)	11,5	141,00	199,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504843	12 G 1,5 (AWG 16)	13,5	244,00	323,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504844	18 G 1,5 (AWG 16)	16,5	340,00	455,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504845	25 G 1,5 (AWG 16)	19,5	461,00	620,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504846	36 G 1,5 (AWG 16)	22,2	588,00	844,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504847	42 G 1,5 (AWG 16)	24,1	679,00	978,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504848	3 G 2,5 (AWG 14)	9,3	106,00	144,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504849	4 G 2,5 (AWG 14)	10,0	131,00	177,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504850	5 G 2,5 (AWG 14)	11,4	160,00	214,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504851	7 G 2,5 (AWG 14)	13,9	219,00	301,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504852	12 G 2,5 (AWG 14)	16,5	339,00	479,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504853	18 G 2,5 (AWG 14)	19,7	518,00	685,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504854	25 G 2,5 (AWG 14)	23,5	674,00	981,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504855	4 G 4 (AWG 12)	12,0	199,00	261,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504856	5 G 4 (AWG 12)	13,8	244,00	316,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504857	4 G 6 (AWG 10)	14,4	301,00	384,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504858	5 G 6 (AWG 10)	16,4	369,00	471,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504859	4 G 10 (AWG 8)	17,3	475,00	585,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
1504860	4 G 16 (AWG 6)	21,3	725,00	889,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA