



Product Overview

Cable and CONNECTivity



USE OF CABLE

shielded, low capacity power cable with control cores for temperature sensors or brake for EMC-compatible connecting between drives and frequency converter for normal requirements in drag chain applications, moving drive systems, in the field of robotic technology and manufacturing plants. Suitable for use in dry and humid rooms.



SPECIAL FEATURES

- conform to DESINA, UL/CSA approved
- largely resistant to grease, coolant fluids and lubricants
- silicone-free

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- optimal cost-value ratio
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.

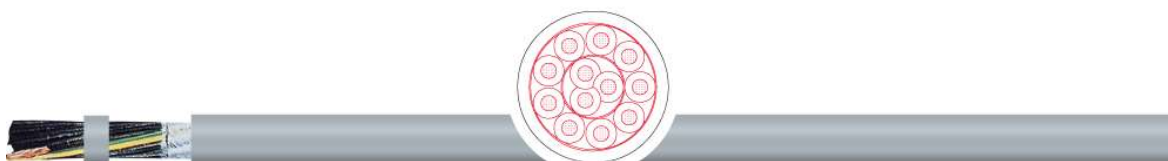
PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Super fine wires acc. to IEC 60228 cl. 6
Core insulation:	PELON®2
Core identification:	Supply cores: BK w. WH print U/L1/C/L+; V/L2; W/L3/D/L- & GNYE; control cores: 1 pair, BK & WH
Shield:	Control pair with tinned copper braid
Overall stranding:	Cores & element stranded together with high flexible fillers
Shield3:	Copper braid tinned, opt. coverage 85 %
Outer sheath:	PVC
Sheath colour:	Orange, RAL 2003
Rated voltage:	Uo/U 600/1.000 V; UL & CSA: 1.000 V
Testing voltage:	4 kV
Conductor resistance:	At +20 °C acc. to IEC 60228 cl. 6
Insulation resistance:	At 20° C ≥ 20 GOhm x km
Min. bending radius fixed:	5 x d
Min. bending radius moved:	10 x d
Operat. temp. fixed min/max:	-30 °C / +80 °C
Operat. temp. moved min/max:	-5 °C / +80 °C
Burning behavior:	Self-extinguishing and flame-retardant acc. to IEC 60332-1; UL: VW1; CSA: FT1
Resistant to oil:	Acc. to ISO 6722, EN 60811-404 (only mineral oil)
Approvals:	UL/CSA - cURus 1.000 V, 80 °C
Speed:	Max. 120 m/min
Acceleration:	Max. 20 m/s²

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer- Ø [mm]	Cu- Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1504502	4 G 1,5	8,8	80,00	145,00	orange	V1: KAWEFLEX 5278 UL/CSA: nach / acc. to Standard Siemens MC 500PLUS: V, U, W, GNGE
JOB_9568004	4 G 2,5	10,3	123,00	216,00	orange	V1: KAWEFLEX 5278 UL/CSA: nach / acc. to Standard Siemens MC 500PLUS: V, U, W, GNGE
JOB_T1504504	4 G 4	12,1	185,00	290,00	orange	V2: KAWEFLEX 5278 UL/CSA: nach / acc. to Standard Siemens MC 500PLUS: U, V, W, GNGE
JOB_9568723	4 G 6	14,7	288,00	430,00	orange	V2: KAWEFLEX 5278 UL/CSA: nach / acc. to Standard Siemens MC 500PLUS: U, V, W, GNGE
JOB_9568176	4 G 10	18,5	453,00	640,00	orange	V2: KAWEFLEX 5278 UL/CSA: nach / acc. to Standard Siemens MC 500PLUS: U, V, W, GNGE

Product No.	Dimension [n x mm²]	Outer- Ø [mm]	Cu- Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1505377	4 G 16	21,6	905,00	749,00	orange	V2: KAWEFLEX 5278 UL/CSA: nach / acc. to Standard Siemens MC 500PLUS: U, V, W, GNGE
JOB_T1505378	4 G 25	25,4	1132,00	1290,00	orange	V2: KAWEFLEX 5278 UL/CSA: nach / acc. to Standard Siemens MC 500PLUS: U, V, W, GNGE
JOB_T1505379	4 G 35	29,0	1558,00	1771,00	orange	V2: KAWEFLEX 5278 UL/CSA: nach / acc. to Standard Siemens MC 500PLUS: U, V, W, GNGE
JOB_T1505380	4 G 50	33,4	2178,00	2415,00	orange	V2: KAWEFLEX 5278 UL/CSA: nach / acc. to Standard Siemens MC 500PLUS: U, V, W, GNGE
JOB_T1504505	4 G 1,5 + (2 X 1,5)	10,9	130,00	234,00	orange	V3: KAWEFLEX 5278 UL/CSA: nach / acc. to Standard Siemens MC 500PLUS: V, U, W, SW-WS, GNGE
JOB_T1504506	4 G 2,5 + (2 X 1,5)	12,6	175,00	302,00	orange	V3: KAWEFLEX 5278 UL/CSA: nach / acc. to Standard Siemens MC 500PLUS: V, U, W, SW-WS, GNGE
JOB_T1504507	4 G 4 + (2 X 1,5)	14,0	253,00	402,00	orange	V4: KAWEFLEX 5278 UL/CSA: nach / acc. to Standard Siemens MC 500PLUS: U, V, W, SW-WS, GNGE
JOB_T1504510	4 G 6 + (2 X 1,5)	16,0	341,00	525,00	orange	V4: KAWEFLEX 5278 UL/CSA: nach / acc. to Standard Siemens MC 500PLUS: U, V, W, SW-WS, GNGE
JOB_T1504511	4 G 10 + (2 X 1,5)	20,3	529,00	735,00	orange	V4: KAWEFLEX 5278 UL/CSA: nach / acc. to Standard Siemens MC 500PLUS: U, V, W, SW-WS, GNGE
JOB_T1505381	4 G 16 + (2 X 1,5)	22,7	798,00	1010,00	orange	V4: KAWEFLEX 5278 UL/CSA: nach / acc. to Standard Siemens MC 500PLUS: U, V, W, SW-WS, GNGE
JOB_T1505382	4 G 25 + (2 X 1,5)	26,3	1178,00	1396,00	orange	V4: KAWEFLEX 5278 UL/CSA: nach / acc. to Standard Siemens MC 500PLUS: U, V, W, SW-WS, GNGE
JOB_T1505383	4 G 35 + (2 X 1,5)	30,4	1602,00	1879,00	orange	V4: KAWEFLEX 5278 UL/CSA: nach / acc. to Standard Siemens MC 500PLUS: U, V, W, SW-WS, GNGE
JOB_T1505384	4 G 50 + (2 X 1,5)	34,0	2224,00	2510,00	orange	V4: KAWEFLEX 5278 UL/CSA: nach / acc. to Standard Siemens MC 500PLUS: U, V, W, SW-WS, GNGE



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/s²

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1504657	2 X 0,5 (AWG 21)	5,0	9,60	30,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_9567754	3 G 0,5 (AWG 21)	5,4	14,40	39,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_9567755	4 G 0,5 (AWG 21)	5,8	19,20	46,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504660	5 G 0,5 (AWG 21)	6,4	24,00	55,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504661	7 G 0,5 (AWG 21)	7,8	33,60	78,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504662	12 G 0,5 (AWG 21)	9,2	57,60	121,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504663	18 G 0,5 (AWG 21)	11,0	86,40	172,00	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
JOB_T1504664	25 G 0,5 (AWG 21)	13,0	120,00	245,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504665	30 G 0,5 (AWG 21)	13,7	144,00	267,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504666	36 G 0,5 (AWG 21)	15,0	173,00	321,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_9568952	2 X 0,75 (AWG 19)	5,4	14,40	39,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504668	3 G 0,75 (AWG 19)	5,8	21,60	49,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504669	4 G 0,75 (AWG 19)	6,3	28,80	60,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504670	5 G 0,75 (AWG 19)	7,0	36,00	72,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504671	7 G 0,75 (AWG 19)	8,5	50,40	103,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504672	12 G 0,75 (AWG 19)	10,0	86,40	163,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504673	18 G 0,75 (AWG 19)	12,2	129,60	233,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_9568115	25 G 0,75 (AWG 19)	14,4	180,00	338,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504675	36 G 0,75 (AWG 19)	16,6	260,00	444,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504676	42 G 0,75 (AWG 19)	18,1	303,00	523,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504677	2 X 1 (AWG 18)	5,9	19,20	46,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_9567508	3 G 1 (AWG 18)	6,4	28,80	60,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_9567756	4 G 1 (AWG 18)	6,9	38,40	73,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_9568950	5 G 1 (AWG 18)	7,9	48,00	92,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504681	7 G 1 (AWG 18)	9,5	67,20	129,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_9568951	12 G 1 (AWG 18)	11,4	115,20	202,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504683	18 G 1 (AWG 18)	13,7	172,80	296,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504684	25 G 1 (AWG 18)	16,4	240,00	426,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1505177	36 G 1 (AWG 18)	18,6	346,00	529,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1505676	41 G 1 (AWG 18)	20,0	410,00	559,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504685	2 X 1,5 (AWG 16)	6,5	28,80	60,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504686	3 G 1,5 (AWG 16)	7,0	43,20	78,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_9568949	4 G 1,5 (AWG 16)	7,8	57,60	100,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504688	5 G 1,5 (AWG 16)	8,9	72,00	122,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504689	7 G 1,5 (AWG 16)	10,8	100,80	178,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_10090001504690	12 G 1,5 (AWG 16)	12,7	172,80	276,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_9567916	18 G 1,5 (AWG 16)	15,5	259,20	405,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_9568269	25 G 1,5 (AWG 16)	18,5	360,00	580,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504693	36 G 1,5 (AWG 16)	21,2	519,00	771,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_9568719	42 G 1,5 (AWG 16)	23,1	605,00	909,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_9568957	3 G 2,5 (AWG 14)	8,5	72,00	122,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_9567948	4 G 2,5 (AWG 14)	9,4	96,00	154,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_9567318	5 G 2,5 (AWG 14)	10,7	120,00	192,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504698	7 G 2,5 (AWG 14)	12,9	168,00	272,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504699	12 G 2,5 (AWG 14)	15,5	288,00	436,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504700	18 G 2,5 (AWG 14)	18,7	432,00	628,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504701	25 G 2,5 (AWG 14)	22,5	600,00	903,00	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
JOB_T1504702	3 G 4 (AWG 12)	10,1	115,20	180,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504703	4 G 4 (AWG 12)	11,1	153,60	228,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504704	5 G 4 (AWG 12)	12,7	192,00	287,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504705	3 G 6 (AWG 10)	12,3	172,80	268,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504706	4 G 6 (AWG 10)	13,5	230,40	339,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504707	5 G 6 (AWG 10)	15,3	288,00	424,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504708	4 G 10 (AWG 8)	16,4	384,00	534,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504709	5 G 10 (AWG 8)	18,6	480,00	666,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504710	4 G 16 (AWG 6)	20,2	614,40	832,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA
JOB_T1504717	5 G 16 (AWG 6)	23,1	768,00	1048,00	grey	V0: KAWEFLEX 6130 SK-PUR UL/CSA



USE OF CABLE

shielded, low capacity power cable, also with 2, 3 resp. 4 control cores for temperature sensors or brake for EMC-compatible connecting between drives and frequency converter for high requirements in drag chain applications, moving drive systems, in the field of robotic technology, in manufacturing plants as well as in dry and humid rooms.



SPECIAL FEATURES

- low adhesion and low abrasion
- flame-retardant acc. to IEC 60332-1-2
- halogen- and CFC-free acc. to DIN VDE 0472-815, IEC 60754-1
- resistant to oil acc. to DIN EN 60811-404, VDE 0473-811-404 and EN 50363-10-2
- largely resistant to grease, coolant fluids and lubricants
- UV-resistant, silicone-free
- conform to DESINA, UL/CSA approved

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- very long lifetime, optimal cost-value ratio
- platz- und gewichtssparend
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.

PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Acc. to DIN VDE 0295 cl. 6 resp. IEC 60228 cl. 6
Core insulation:	PELON®2
Core identification:	Supply cores: BK with WH print U/L1/C/L+; V/L2; W/L3/D/L- and GNYE; control cores: 1-pair, BK and WH; 2-pair: BK with WH print 5, 6, 7, 8; triple: bk with wh numerals 1, 2, 3
Shield:	Control pairs resp. triple with tinned copper shield
Overall stranding:	All cores and elements stranded together with high flexible fillers
Shield3:	Copper braid tinned, opt. coverage appr. 85 %
Outer sheath:	PUR, halogen-free, flame retardant
Sheath colour:	Orange, RAL 2003
Rated voltage:	Uo/U 600/1.000 V; UL & CSA: 1.000 V
Testing voltage:	4 kV
Conductor resistance:	At +20 °C acc. to DIN VDE 0295 cl. 6/IEC 60228 cl. 6
Insulation resistance:	At +20 °C $\geq 20 \text{ G}\Omega \times \text{km}$
Min. bending radius fixed:	4 x d - after installation
Min. bending radius moved:	7,5 x d ($\leq 16 \text{ mm}^2$) / 10 x d ($\geq 25 \text{ mm}^2$)
Operat. temp. fixed min/max:	-50 °C / +80 °C
Operat. temp. moved min/max:	-40 °C / +80 °C
Burning behavior:	Self-extinguishing and flame-retardant acc. to IEC 60332-1-2
Torsion:	30°/m
Approvals:	UL/CSA - cURus 1.000 V, 80 °C
Speed:	Max. 300 m/min
Acceleration:	Max. 50 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
JOB_9567947	4 G 1,5	9,2	90,00	163,00	orange	V1: KAWEFLEX 5288 UL/CSA: nach / acc. to Standard Siemens MC 800PLUS: V, U, W, GNGE
JOB_0159902	4 G 2,5	10,6	135,00	233,00	orange	V1: KAWEFLEX 5288 UL/CSA: nach / acc. to Standard Siemens MC 800PLUS: V, U, W, GNGE
JOB_0159903	4 G 4	11,9	205,00	314,00	orange	V2: KAWEFLEX 5288 UL/CSA: nach / acc. to Standard Siemens MC 800PLUS: U, V, W, GNGE
JOB_9566380	4 G 6	14,7	296,00	437,00	orange	V2: KAWEFLEX 5288 UL/CSA: nach / acc. to Standard Siemens MC 800PLUS: U, V, W, GNGE

KAWEFLEX® 5288 SK-C-PUR UL/CSA SERVO 0,6/1kV

Product No.	Dimension [n x mm²]	Outer- Ø [mm]	Cu- Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_0159905	4G 10	17,6	488,00	654,00	orange	V2: KAWEFLEX 5288 UL/CSA: nach / acc. to Standard Siemens MC 800PLUS: U, V, W, GNGE
JOB_0159906	4 G 16	21,6	769,00	1016,00	orange	V2: KAWEFLEX 5288 UL/CSA: nach / acc. to Standard Siemens MC 800PLUS: U, V, W, GNGE
JOB_0159907	4 G 25	25,3	1098,00	1440,00	orange	V2: KAWEFLEX 5288 UL/CSA: nach / acc. to Standard Siemens MC 800PLUS: U, V, W, GNGE
JOB_0159908	4 G 35	28,7	1525,00	1991,00	orange	V2: KAWEFLEX 5288 UL/CSA: nach / acc. to Standard Siemens MC 800PLUS: U, V, W, GNGE
JOB_0159909	4 G 50	33,4	2131,00	2604,00	orange	V2: KAWEFLEX 5288 UL/CSA: nach / acc. to Standard Siemens MC 800PLUS: U, V, W, GNGE
JOB_0159921	4 G 1,5 + (2 X 1,5)	11,7	163,50	251,00	orange	V3: KAWEFLEX 5288 UL/CSA: nach / acc. to Standard Siemens MC 800PLUS: V, U, W, SW-WS, GNGE
JOB_9566100	4 G 2,5 + (2 X 1,5)	13,4	196,00	316,00	orange	V3: KAWEFLEX 5288 UL/CSA: nach / acc. to Standard Siemens MC 800PLUS: V, U, W, SW-WS, GNGE
JOB_9565978	4 G 4 + (2 X 1,5)	14,9	260,50	408,00	orange	V4: KAWEFLEX 5288 UL/CSA: nach / acc. to Standard Siemens MC 800PLUS: U, V, W, SW-WS, GNGE
JOB_9566719	4 G 6 + (2 X 1,5)	16,8	365,00	535,00	orange	V4: KAWEFLEX 5288 UL/CSA: nach / acc. to Standard Siemens MC 800PLUS: U, V, W, SW-WS, GNGE
JOB_T1504279	4 G 10 + (2 X 1,5)	19,9	560,00	755,00	orange	V4: KAWEFLEX 5288 UL/CSA: nach / acc. to Standard Siemens MC 800PLUS: U, V, W, SW-WS, GNGE
JOB_T1504280	4 G 16 + (2 X 1,5)	22,7	816,00	1090,00	orange	V4: KAWEFLEX 5288 UL/CSA: nach / acc. to Standard Siemens MC 800PLUS: U, V, W, SW-WS, GNGE
JOB_T1504281	4 G 25 + (2 X 1,5)	26,3	1172,00	1570,00	orange	V4: KAWEFLEX 5288 UL/CSA: nach / acc. to Standard Siemens MC 800PLUS: U, V, W, SW-WS, GNGE
JOB_T1504282	4 G 35 + (2 X 1,5)	31,2	1595,00	2073,00	orange	V4: KAWEFLEX 5288 UL/CSA: nach / acc. to Standard Siemens MC 800PLUS: U, V, W, SW-WS, GNGE
JOB_T1504283	4 G 50 + (2 X 1,5)	34,7	2214,00	2800,00	orange	V4: KAWEFLEX 5288 UL/CSA: nach / acc. to Standard Siemens MC 800PLUS: U, V, W, SW-WS, GNGE
JOB_T1505385	4 G 0,75 + (2 X 0,5)	9,4	99,00	165,00	orange	V5.1: KAWEFLEX 5288 UL/CSA: nach / acc. Standard Bosch Rexroth: U, V, W, SW-WS, GNGE
JOB_T1504293	4 G 1 + 2 X (2 X 0,75)	12,0	130,00	203,00	orange	V5.2: KAWEFLEX 5288 UL/CSA: nach / acc. Standard Bosch Rexroth: U, V, 5, 6, W, GNGE, 7, 8
JOB_0159952	4 G 1,5 + 2 X (2 X 0,75)	13,0	151,00	228,00	orange	V5.2: KAWEFLEX 5288 UL/CSA: nach / acc. Standard Bosch Rexroth: U, V, 5, 6, W, GNGE, 7, 8
JOB_0159953	4 G 2,5 + 2 X (2 X 1)	14,8	213,90	343,00	orange	V5.2: KAWEFLEX 5288 UL/CSA: nach / acc. Standard Bosch Rexroth: U, V, 5, 6, W, GNGE, 7, 8
JOB_9566866	4 G 4 + (2 X 1) + (2 X 1,5)	16,3	336,00	449,00	orange	V5.2: KAWEFLEX 5288 UL/CSA: nach / acc. Standard Bosch Rexroth: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1504287	4 G 6 + (2 X 1) + (2 X 1,5)	18,6	438,00	572,00	orange	V5.2: KAWEFLEX 5288 UL/CSA: nach / acc. Standard Bosch Rexroth: U, V, 5, 6, W, GNGE, 7, 8
JOB_9567389	4 G 10 + (2 X 1) + (2 X 1,5)	22,0	602,00	881,00	orange	V5.2: KAWEFLEX 5288 UL/CSA: nach / acc. Standard Bosch Rexroth: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505386	4 G 16 + 2 X (2 X 1,5)	25,9	838,00	1169,00	orange	V5.2: KAWEFLEX 5288 UL/CSA: nach / acc. Standard Bosch Rexroth: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1504290	4 G 25 + 2 X (2 X 1,5)	28,9	1217,00	1513,00	orange	V5.2: KAWEFLEX 5288 UL/CSA: nach / acc. Standard Bosch Rexroth: U, V, 5, 6, W, GNGE, 7, 8
JOB_9565616	4 G 35 + 2 X (2 X 1,5)	31,4	1640,00	1969,00	orange	V5.2: KAWEFLEX 5288 UL/CSA: nach / acc. Standard Bosch Rexroth: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1504292	4 G 50 + 2 X (2 X 2,5)	37,0	2273,00	2875,00	orange	V5.2: KAWEFLEX 5288 UL/CSA: nach / acc. Standard Bosch Rexroth: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1504711	4 G 1,5 + (3 X 1)	11,6	163,50	213,00	orange	V6: KAWEFLEX 5288 UL/CSA: nach / acc. Standard SEW: U, V, W, 1, 2, 3, GNGE
JOB_T1504712	4 G 2,5 + (3 X 1)	13,4	196,00	284,00	orange	V6: KAWEFLEX 5288 UL/CSA: nach / acc. Standard SEW: U, V, W, 1, 2, 3, GNGE

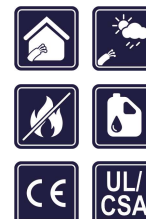
KAWEFLEX® 5288 SK-C-PUR UL/CSA SERVO 0,6/1kV

Product No.	Dimension [n x mm²]	Outer- Ø [mm]	Cu- Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1504713	4 G 4 + (3 X 1)	14,8	260,50	366,00	orange	V6: KAWEFLEX 5288 UL/CSA: nach / acc. Standard SEW: U, V, W, 1, 2, 3, GNGE
JOB_T1504714	4 G 6 + (3 X 1,5)	17,4	367,00	492,00	orange	V6: KAWEFLEX 5288 UL/CSA: nach / acc. Standard SEW: U, V, W, 1, 2, 3, GNGE
JOB_T1504715	4 G 10 + (3 X 1,5)	20,3	563,00	717,00	orange	V6: KAWEFLEX 5288 UL/CSA: nach / acc. Standard SEW: U, V, W, 1, 2, 3, GNGE
JOB_T1504716	4 G 16 + (3 X 1,5)	23,7	821,00	1052,00	orange	V6: KAWEFLEX 5288 UL/CSA: nach / acc. Standard SEW: U, V, W, 1, 2, 3, GNGE
JOB_T1505387	4 G 1 + (2 X 0,5)	9,8	81,00	134,00	orange	V7: KAWEFLEX 5288 UL/CSA: nach / acc. Standard Lenze: WWW, VV, U, SW-WS, GNGE
JOB_T1505388	4 G 1,5 + (2 X 0,5)	11,6	114,00	180,00	orange	V7: KAWEFLEX 5288 UL/CSA: nach / acc. Standard Lenze: WWW, VV, U, SW-WS, GNGE
JOB_T1505389	4 G 2,5 + (2 X 0,5)	11,8	145,00	229,00	orange	V7: KAWEFLEX 5288 UL/CSA: nach / acc. Standard Lenze: WWW, VV, U, SW-WS, GNGE
JOB_T1505390	4 G 4 + (2 X 1)	14,3	244,00	361,00	orange	V7: KAWEFLEX 5288 UL/CSA: nach / acc. Standard Lenze: WWW, VV, U, SW-WS, GNGE
JOB_T1505391	4 G 6 + (2 X 1)	16,6	325,00	451,00	orange	V7: KAWEFLEX 5288 UL/CSA: nach / acc. Standard Lenze: WWW, VV, U, SW-WS, GNGE
JOB_T1505392	4 G 10 + (2 X 1)	19,7	517,00	670,00	orange	V7: KAWEFLEX 5288 UL/CSA: nach / acc. Standard Lenze: WWW, VV, U, SW-WS, GNGE
JOB_T1505393	4 G 16 + (2 X 1)	22,5	760,00	978,00	orange	V7: KAWEFLEX 5288 UL/CSA: nach / acc. Standard Lenze: WWW, VV, U, SW-WS, GNGE
JOB_T1505395	4 G 1,5 + (2 X 1)	11,5	117,00	200,00	orange	V8.1: KAWEFLEX 5288 UL/CSA: nach / acc. Diverse: WWW, VV, U, SW-WS, GNGE
JOB_T1505394	4 G 0,75 + 2 X (2 X 0,34)	9,7	79,00	132,00	orange	V8.2: KAWEFLEX 5288 UL/CSA: nach / acc. Diverse: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505396	4 G 1,5 + 2 X (2 X 0,5)	12,0	123,00	211,00	orange	V8.2: KAWEFLEX 5288 UL/CSA: nach / acc. Diverse: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505397	4 G 1,5 + 2 X (2 X 1)	13,0	149,00	249,00	orange	V8.2: KAWEFLEX 5288 UL/CSA: nach / acc. Diverse: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505398	4 G 2,5 + 2 X (2 X 0,75)	14,6	199,00	340,00	orange	V8.2: KAWEFLEX 5288 UL/CSA: nach / acc. Diverse: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505399	4 G 2,5 + 2 X (2 X 1,5)	15,6	243,00	377,00	orange	V8.2: KAWEFLEX 5288 UL/CSA: nach / acc. Diverse: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505400	4 G 4 + 2 X (2 X 1)	16,1	273,00	423,00	orange	V8.2: KAWEFLEX 5288 UL/CSA: nach / acc. Diverse: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505401	4 G 4 + 2 X (2 X 1,5)	16,7	312,00	450,00	orange	V8.2: KAWEFLEX 5288 UL/CSA: nach / acc. Diverse: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505402	4 G 6 + 2 X (2 X 1)	18,4	384,00	535,00	orange	V8.2: KAWEFLEX 5288 UL/CSA: nach / acc. Diverse: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505403	4 G 6 + 2 X (2 X 1,5)	19,4	424,00	57,80	orange	V8.2: KAWEFLEX 5288 UL/CSA: nach / acc. Diverse: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505404	4 G 10 + 2 X (2 X 1)	21,8	549,00	746,00	orange	V8.2: KAWEFLEX 5288 UL/CSA: nach / acc. Diverse: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505405	4 G 10 + 2 X (2 X 1,5)	22,5	589,00	810,00	orange	V8.2: KAWEFLEX 5288 UL/CSA: nach / acc. Diverse: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505406	4 G 16 + 2 X (2 X 1)	25,3	801,00	1107,00	orange	V8.2: KAWEFLEX 5288 UL/CSA: nach / acc. Diverse: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1504289	4 G 16 + (2 X 1) + (2 X 1,5)	25,5	834,00	1155,00	orange	V8.2: KAWEFLEX 5288 UL/CSA: nach / acc. Diverse: U, V, 5, 6, W, GNGE, 7, 8



USE OF CABLE

as highly flexible, power and control cable for high electrical and increased 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
- 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 600 V UL/CSA approval parallel laying with other 600 V cables is permitted

REMARKS

- conform to RoHS and 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:	PVC
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: 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:	$4 \times d$
Min. bending radius moved:	$7,5 \times d < 10 \text{ m TL} \mid 10 \times d \geq 10 \text{ m TL}$
Operat. temp. fixed min/max:	-40 °C / +80 °C
Operat. temp. moved min/max:	-5 °C / +80 °C
Burning behavior:	Flame-retardant acc. to IEC 60332-1-2, FT1
Approvals:	UL/CSA - cURus 600V, 80°C
Speed:	Self-supporting: max. 6 m/s, gliding: max. 3 m/s
Acceleration:	Max. 10 m/s^2

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_9568815	2 X 0,5 (AWG 21)	5,1	9,60	40,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505073	3 G 0,5 (AWG 21)	5,5	14,40	50,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505074	4 G 0,5 (AWG 21)	5,9	19,20	62,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505075	5 G 0,5 (AWG 21)	6,5	24,00	73,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505076	7 G 0,5 (AWG 21)	7,9	33,60	105,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505077	12 G 0,5 (AWG 21)	9,4	57,60	143,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505078	18 G 0,5 (AWG 21)	11,4	86,40	223,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505079	25 G 0,5 (AWG 21)	13,5	120,00	307,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA

KAWEFLEX® 6120 SK-PUR UL/CSA

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1505080	2 X 0,75 (AWG 19)	5,5	14,40	48,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505081	3 G 0,75 (AWG 19)	5,9	21,60	61,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505082	4 G 0,75 (AWG 19)	6,4	28,80	77,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505083	5 G 0,75 (AWG 19)	7,1	36,00	92,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505084	7 G 0,75 (AWG 19)	8,6	50,40	131,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505085	12 G 0,75 (AWG 19)	10,4	86,40	187,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505086	18 G 0,75 (AWG 19)	12,5	129,60	293,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505087	25 G 0,75 (AWG 19)	14,9	180,00	399,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505088	2 X 1 (AWG 18)	5,8	19,20	57,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505089	3 G 1 (AWG 18)	6,3	28,80	73,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505090	4 G 1 (AWG 18)	6,7	38,40	92,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505091	5 G 1 (AWG 18)	7,7	48,00	116,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505092	7 G 1 (AWG 18)	9,4	67,20	164,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505093	12 G 1 (AWG 18)	11,1	115,20	234,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505094	18 G 1 (AWG 18)	13,5	172,80	363,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505095	25 G 1 (AWG 18)	15,9	240,00	499,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505096	2 X 1,5 (AWG 16)	6,4	28,80	72,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505097	3 G 1,5 (AWG 16)	6,9	43,20	92,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505098	4 G 1,5 (AWG 16)	7,7	57,60	117,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505099	5 G 1,5 (AWG 16)	8,6	72,00	147,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505100	7 G 1,5 (AWG 16)	10,6	100,80	210,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505101	12 G 1,5 (AWG 16)	12,5	172,80	303,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505102	18 G 1,5 (AWG 16)	15,2	259,20	478,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505103	25 G 1,5 (AWG 16)	18,2	360,00	666,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505104	3 G 2,5 (AWG 14)	8,5	72,00	146,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505105	4 G 2,5 (AWG 14)	9,4	96,00	191,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505106	5 G 2,5 (AWG 14)	10,7	120,00	239,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505107	7 G 2,5 (AWG 14)	12,9	168,00	338,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505108	12 G 2,5 (AWG 14)	15,5	288,00	499,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505109	3 G 4 (AWG 12)	10,1	115,20	211,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505110	4 G 4 (AWG 12)	11,1	160,00	275,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505114	5 G 4 (AWG 12)	12,7	192,00	344,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505115	3 G 6 (AWG 10)	12,4	172,80	301,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505111	4 G 6 (AWG 10)	13,6	230,40	393,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505116	5 G 6 (AWG 10)	15,5	288,00	497,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505112	4 G 10 (AWG 8)	17,7	384,00	680,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505117	5 G 10 (AWG 8)	20,0	480,00	847,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505113	4 G 16 (AWG 6)	20,8	614,40	1005,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA
JOB_T1505118	5 G 16 (AWG 6)	23,7	768,00	1254,00	grey	V1: KAWEFLEX 6120 SK-PUR UL/CSA



USE OF CABLE

as shielded, low capacity feedback, encoder, resolver, speed sensor, signal & system cables for EMC compatible connecting in machine and plant engineering, as well as in drive and control technology, for high electrical and mechanical requirements in drag chain applications, moving drive systems and in the field of robotic technology.



SPECIAL FEATURES

- DESINA-conform (sheath colour green RAL 6018)
- cURus Approbationen 300V, 80°C
- halogen free and flame-retardant acc. to IEC 60332-1-2, FT1
- largely resistant to, grease, coolant fluids and lubricants
- resistant to oil, IEC 60811-404 (VDE 0473-811-404)
- UV-resistant
- low adhesion, silicone-free, space- and weight-saving

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- optimal cost-value ratio
- very long life time
- 2-pair dimensions stranded as star quad

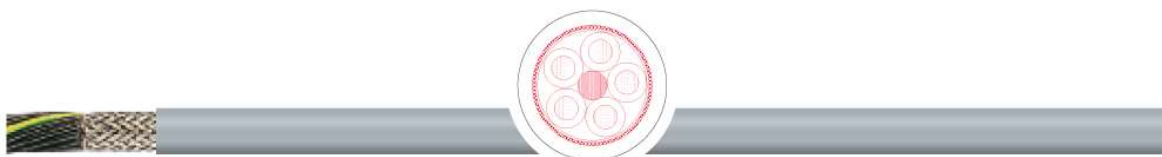
PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Acc. to DIN VDE0295 cl. 6 resp. IEC 60228 cl. 6
Core insulation:	PELON®2
Core identification:	Acc. to system specification (on request)
Stranding:	Cores stranded to pairs or layers
Shield:	Elements: C: copper braid tinned resp. D: spiral copper shield tinned, opt. coverage appr. 85%
Element sheath material:	TPE - black (if mentioned 12Y)
Overall stranding:	Elements strand. together
Shield3:	Copper braid tinned, opt. coverage appr. 85%
Outer sheath:	PUR
Sheath colour:	GN - RAL 6018 (DESINA), OR - RAL 2003 or BK - RAL 9005
Rated voltage:	300 V, no high-voltage purpose
Testing voltage:	500 V
Conductor resistance:	Acc. to DIN VDE 0295 cl. 6 resp. IEC 60228 cl. 6
Insulation resistance:	Min. 20 MΩ x km
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:	- 50 °C / +80 °C
Operat. temp. moved min/max:	- 40 °C / +80 °C
Halogen free:	Yes
Burning behavior:	Flame-retardant acc. to IEC 60332-1-2, FT1
Torsion:	30°/m
Standard:	UL/CSA: cURus 300V, 80°C
Speed:	Self-supporting - max. 5 m/s
Acceleration:	Max. 50 m/s²

ITEM OVERVIEW

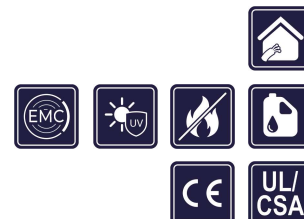
Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_9568514	(8 X 2 X 0,18)C	7,8	54,00	85,00	green	V1: KAWEFLEX 5488 SK-C-PUR UL/CSA - Siemens Standard MC 800 Plus
JOB_9568687	(4 X 2 X 0,34 +4X0,5)C	8,9	77,00	129,00	green	V1: KAWEFLEX 5488 SK-C-PUR UL/CSA - Siemens Standard MC 800 Plus
JOB_T1505202	(3 X (2 X 0,14)D12Y +2X(0,5)D12Y)C	9,0	69,00	120,00	green	V1: KAWEFLEX 5488 SK-C-PUR UL/CSA - Siemens Standard MC 800 Plus

Product No.	Dimension [n x mm²]	Outer- Ø [mm]	Cu- Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1505203	(3 X (2 X 0,14)D12Y + 4X0,14 + 2X0,5)C	8,9	66,00	120,00	green	V1: KAWEFLEX 5488 SK-C-PUR UL/CSA - Siemens Standard MC 800 Plus
JOB_T1505204	(3X(2X0,14)D12Y + 4X0,14 + 4X0,25 + 2X0,5)C	9,6	86,00	135,00	green	V1: KAWEFLEX 5488 SK-C-PUR UL/CSA - Siemens Standard MC 800 Plus
JOB_T1505205	(4 X 2 X 0,18)C	6,4	35,00	61,00	green	V1: KAWEFLEX 5488 SK-C-PUR UL/CSA - Siemens Standard MC 800 Plus
JOB_T1505206	(2 X 2 X 0,18)C	5,0	24,00	39,00	green	V1: KAWEFLEX 5488 SK-C-PUR UL/CSA - Siemens Standard MC 800 Plus
JOB_T1505207	(12 X 0,22)C	6,9	49,00	77,00	green	V1: KAWEFLEX 5488 SK-C-PUR UL/CSA - Siemens Standard MC 800 Plus
JOB_T1505208	(4 X 2 X 0,25 + 2 X 0,5)C	8,5	61,00	105,00	green	V2: KAWEFLEX 5488 SK-C-PUR UL/CSA - Bosch Rexroth Standard
JOB_T1505209	(4 X 2 X 0,25 + 2 X 1)C	8,8	66,00	119,00	green	V2: KAWEFLEX 5488 SK-C-PUR UL/CSA - Bosch Rexroth Standard
JOB_T1505210	(9 X 0,5)C	8,8	69,00	127,00	green	V2: KAWEFLEX 5488 SK-C-PUR UL/CSA - Bosch Rexroth Standard
JOB_T1505211	(4 X 2 X 0,25 + 2 X 0,5)C	8,5	52,00	105,00	orange	V2: KAWEFLEX 5488 SK-C-PUR UL/CSA - Bosch Rexroth Standard
JOB_T1505212	(4 X 2 X 0,25 + 2 X 1)C	8,8	66,00	119,00	orange	V2: KAWEFLEX 5488 SK-C-PUR UL/CSA - Bosch Rexroth Standard
JOB_T1505213	(9 X 0,5)C	8,8	69,00	127,00	orange	V2: KAWEFLEX 5488 SK-C-PUR UL/CSA - Bosch Rexroth Standard
JOB_T1505214	(4 X 1 + 4 X 2 X 0,14 + (4 X 0,14)D)C	9,5	90,00	145,00	orange	V2: KAWEFLEX 5488 SK-C-PUR UL/CSA - Bosch Rexroth Standard
JOB_T1505215	(3 X (2 X 0,25)D + 3 X 0,25 + 2 X 1)C	9,0	95,00	151,00	orange	V2: KAWEFLEX 5488 SK-C-PUR UL/CSA - Bosch Rexroth Standard
JOB_T1505216	(2 X 2 X 0,25 + 2 X 0,5)C	7,2	52,00	151,00	orange	V2: KAWEFLEX 5488 SK-C-PUR UL/CSA - Bosch Rexroth Standard
JOB_T1505217	3 X (2 X 0,14)C + (2 X 0,5)C	9,9	54,00	124,00	green	V3: KAWEFLEX 5488 SK-C-PUR UL/CSA - Lenze Standard
JOB_T1505218	4 X (2 X 0,14)C + 2 X (1,0)C	11,0	73,00	168,00	green	V3: KAWEFLEX 5488 SK-C-PUR UL/CSA - Lenze Standard
JOB_T1505219	3 X (2 X 0,14)C + (3 X 0,14)C	9,2	43,00	120,00	green	V3: KAWEFLEX 5488 SK-C-PUR UL/CSA - Lenze Standard
JOB_T1505220	(3 X 2 X AWG24)C	6,5	31,00	57,00	green	V4: KAWEFLEX 5488 SK-C-PUR UL/CSA - B & R
JOB_T1505221	(5 X 2 X 0,14 + 2 X 0,5)C	7,8	48,00	79,00	green	V4: KAWEFLEX 5488 SK-C-PUR UL/CSA - B & R
JOB_T1505222	(3 X (2 X 0,14)D12Y + 2 X (0,5)D12Y)C	8,4	75,00	103,00	black	V5: KAWEFLEX 5488 SK-C-PUR UL/CSA - Heidenhain
JOB_T1505223	(4 X 2 X 0,14 + 4 X 0,5)C	8,5	52,00	103,00	black	V5: KAWEFLEX 5488 SK-C-PUR UL/CSA - Heidenhain
JOB_T1505224	(3 X (2 X 0,14)D12Y + 2 X (1,0)D12Y)C	9,1	81,00	132,00	black	V5: KAWEFLEX 5488 SK-C-PUR UL/CSA - Heidenhain
JOB_T1505225	(4 X 2 X 0,14 + (4 X 0,14)D + 4 X 0,5)C	9,0	81,00	123,00	black	V5: KAWEFLEX 5488 SK-C-PUR UL/CSA - Heidenhain
JOB_9568749	(10 X 0,14 + 2 X 0,5)C	7,2	43,00	79,00	black	V5: KAWEFLEX 5488 SK-C-PUR UL/CSA - Heidenhain
JOB_T1505226	(5 X 2 X 0,25)C	7,6	47,00	82,00	green	V6: KAWEFLEX 5488 SK-C-PUR UL/CSA - SEW
JOB_T1505227	(6 X 2 X 0,25)C	7,9	52,00	108,00	green	V6: KAWEFLEX 5488 SK-C-PUR UL/CSA - SEW
JOB_T1505228	(3 X (2 X 0,25)D)C	7,2	58,00	80,00	green	V7: KAWEFLEX 5488 SK-C-PUR UL/CSA - DIVERSE
JOB_T1505229	(4 X (2 X 0,25)C + 2 X 0,5)C	10,2	116,00	162,00	green	V7: KAWEFLEX 5488 SK-C-PUR UL/CSA - DIVERSE
JOB_T1505230	(4 X (2 X 0,25)C + 2 X 1)C	10,5	133,00	185,00	green	V7: KAWEFLEX 5488 SK-C-PUR UL/CSA - DIVERSE
JOB_T1505248	(4 X 2 X 0,14 + 4 X 0,25)C	6,1	41,00	70,00	black	V7: KAWEFLEX 5488 SK-C-PUR UL/CSA - DIVERSE



USE OF CABLE

as flexible, shielded power and control cable for EMC-compliant connecting at 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 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
- recommended for EMC-compatible applications
- 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 smaler design, lower bending radii and lower wight; up from production date january 2020

PRODUCT INFORMATION

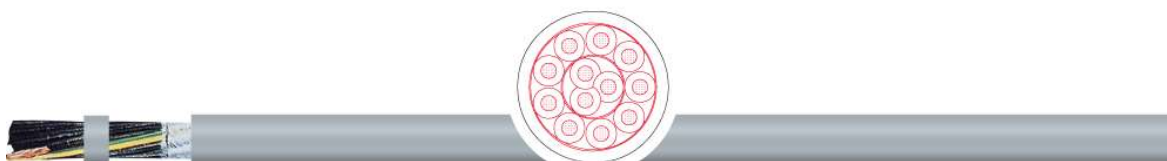
Conductor material:	Bare copper strand
Conductor class:	Acc. to DIN VDE 0295 class 5 resp. IEC 60228 cl. 5
Core insulation:	PVC
Core identification:	Acc. to DIN VDE 0293 black wires with white numerals, 1 x GNYE
Overall stranding:	Cores stranded in layers
Shield3:	Copper braid tinned, coverage approx. 85%
Outer sheath:	PVC
Sheath colour:	Grey RAL 7001
Rated voltage:	Acc. to IEC: 300/500 V; acc. to UL: 600 V
Testing voltage:	Core/core: 4 kV; core/shield: 2 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 < 3m 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
JOB_T1504718	2 X 0,5 (AWG 21)	5,5	26,00	76,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504719	3 G 0,5 (AWG 21)	5,8	31,00	87,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504720	4 G 0,5 (AWG 21)	6,2	41,00	110,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504721	5 G 0,5 (AWG 21)	6,8	46,00	127,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504722	7 G 0,5 (AWG 21)	8,1	61,00	169,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504723	12 G 0,5 (AWG 21)	9,3	90,00	220,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504724	18 G 0,5 (AWG 21)	11,3	130,00	340,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA

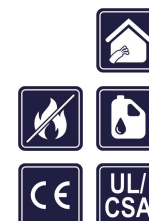
KAWEFLEX® 6200 ECO SK-C-PVC UL/CSA

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1504725	25 G 0,5 (AWG 21)	13,5	187,00	447,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504726	2 X 0,75 (AWG 19)	5,9	31,00	86,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504727	3 G 0,75 (AWG 19)	6,2	43,00	105,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504728	4 G 0,75 (AWG 19)	6,7	51,00	130,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504729	5 G 0,75 (AWG 19)	7,3	63,00	157,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504730	7 G 0,75 (AWG 19)	8,9	83,00	207,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504731	12 G 0,75 (AWG 19)	10,1	125,00	274,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504732	18 G 0,75 (AWG 19)	12,3	179,00	430,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504733	25 G 0,75 (AWG 19)	14,7	257,00	554,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504734	2 X 1 (AWG 18)	6,2	41,00	101,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504735	3 G 1 (AWG 18)	6,6	51,00	122,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504736	4 G 1 (AWG 18)	7,1	60,00	157,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504737	5 G 1 (AWG 18)	7,7	75,00	179,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504738	7 G 1 (AWG 18)	9,4	100,00	243,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504739	12 G 1 (AWG 18)	10,9	159,00	342,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504740	18 G 1 (AWG 18)	13,5	240,00	498,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504741	25 G 1 (AWG 18)	15,9	317,00	670,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504742	2 X 1,5 (AWG 16)	6,8	51,00	120,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504743	3 G 1,5 (AWG 16)	7,2	70,00	152,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504744	4 G 1,5 (AWG 16)	7,8	85,00	184,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504745	5 G 1,5 (AWG 16)	8,6	105,00	223,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504746	7 G 1,5 (AWG 16)	10,4	139,00	298,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504747	12 G 1,5 (AWG 16)	12,1	222,00	421,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504748	18 G 1,5 (AWG 16)	15,2	336,00	637,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504749	25 G 1,5 (AWG 16)	17,9	456,00	864,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504750	3 G 2,5 (AWG 14)	8,6	105,00	222,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504751	4 G 2,5 (AWG 14)	9,3	129,00	271,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504752	5 G 2,5 (AWG 14)	10,2	158,00	347,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504753	7 G 2,5 (AWG 14)	12,7	217,00	478,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504754	4 G 4 (AWG 12)	11,1	197,00	391,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504755	5 G 4 (AWG 12)	12,1	241,00	483,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504756	4 G 6 (AWG 10)	13,2	298,00	533,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504757	5 G 6 (AWG 10)	14,5	365,00	647,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504758	4 G 10 (AWG 8)	16,7	470,00	879,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA
JOB_T1504759	4 G 16 (AWG 6)	19,3	720,00	1260,00	grey	V0: KAWEFLEX 6200 ECO SK-C-PVC UL/CSA



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 smaler design, lower bending radii and lower wight; up from production date January 2020

PRODUCT INFORMATION

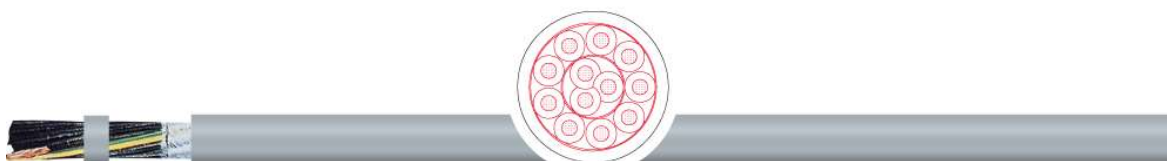
Conductor material:	Bare copper strand
Conductor class:	Acc. to DIN VDE 0295 class 5 resp. IEC 60228 cl. 5
Core insulation:	PVC
Core identification:	Acc. to DIN VDE 0293 black wires with white numerals, 1 x GNYE
Overall stranding:	Cores stranded in layers
Outer sheath:	PVC
Sheath colour:	Grey RAL 7001
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
JOB_T1504552	2 X 0,5 (AWG 21)	4,9	9,60	40,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504553	3 G 0,5 (AWG 21)	5,2	14,40	50,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504554	4 G 0,5 (AWG 21)	5,6	19,20	62,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504555	5 G 0,5 (AWG 21)	6,2	24,00	74,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504556	7 G 0,5 (AWG 21)	7,5	33,60	106,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504557	12 G 0,5 (AWG 21)	8,7	57,60	144,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504558	18 G 0,5 (AWG 21)	10,5	86,40	224,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504559	25 G 0,5 (AWG 21)	12,5	120,00	308,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA

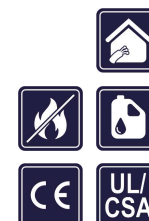
KAWEFLEX® 6100 ECO SK-PVC UL/CSA

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1504560	2 X 0,75 (AWG 19)	5,3	14,40	49,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504561	3 G 0,75 (AWG 19)	5,6	21,60	61,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504562	4 G 0,75 (AWG 19)	6,1	28,80	77,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504563	5 G 0,75 (AWG 19)	6,7	36,00	92,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_9568875	7 G 0,75 (AWG 19)	8,2	50,40	132,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504565	12 G 0,75 (AWG 19)	9,5	86,40	188,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504566	18 G 0,75 (AWG 19)	11,7	129,60	293,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504567	25 G 0,75 (AWG 19)	13,9	180,00	399,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504568	2 X 1 (AWG 18)	5,6	19,20	58,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504569	3 G 1 (AWG 18)	6,0	28,80	74,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504570	4 G 1 (AWG 18)	6,5	38,40	92,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504571	5 G 1 (AWG 18)	7,1	48,00	116,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504572	7 G 1 (AWG 18)	8,8	67,20	164,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504573	12 G 1 (AWG 18)	10,1	115,20	234,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504574	18 G 1 (AWG 18)	12,5	172,80	363,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504575	25 G 1 (AWG 18)	14,9	240,00	500,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504576	2 X 1,5 (AWG 16)	6,2	28,80	72,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504577	3 G 1,5 (AWG 16)	6,6	43,20	93,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504578	4 G 1,5 (AWG 16)	7,2	57,60	117,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504579	5 G 1,5 (AWG 16)	7,9	72,00	148,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504580	7 G 1,5 (AWG 16)	9,8	100,80	210,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504581	12 G 1,5 (AWG 16)	11,5	172,80	304,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504582	18 G 1,5 (AWG 16)	14,2	259,20	479,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504583	25 G 1,5 (AWG 16)	16,9	360,00	666,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504584	3 G 2,5 (AWG 14)	7,9	72,00	146,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504585	4 G 2,5 (AWG 14)	8,7	96,00	191,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504586	5 G 2,5 (AWG 14)	9,6	120,00	239,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504587	7 G 2,5 (AWG 14)	12,1	168,00	339,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504588	12 G 2,5 (AWG 14)	14,2	288,00	499,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504589	3 G 4 (AWG 12)	9,3	115,20	211,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504590	4 G 4 (AWG 12)	10,3	153,60	276,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504591	5 G 4 (AWG 12)	11,5	192,00	345,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504592	3 G 6 (AWG 10)	11,1	172,80	302,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504593	4 G 6 (AWG 10)	12,2	230,40	393,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504594	5 G 6 (AWG 10)	13,7	288,00	498,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504595	4 G 10 (AWG 8)	15,9	384,00	681,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504596	5 G 10 (AWG 8)	17,9	480,00	848,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504597	4 G 16 (AWG 6)	18,5	614,40	1001,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA
JOB_T1504598	5 G 16 (AWG 6)	21,3	768,00	1254,00	grey	V0: KAWEFLEX 6100 ECO SK-PVC UL/CSA



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 $\geq 10 \text{ m TL}$
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. 5 m/s, gliding: max. 2,5 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
JOB_T1504599	2 X 0,5 (AWG 21)	5,0	9,60	40,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504600	3 G 0,5 (AWG 21)	5,4	14,40	50,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504601	4 G 0,5 (AWG 21)	5,8	19,20	62,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504602	5 G 0,5 (AWG 21)	6,4	24,00	74,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504603	7 G 0,5 (AWG 21)	7,6	33,60	106,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504604	12 G 0,5 (AWG 21)	9,0	57,60	144,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504605	18 G 0,5 (AWG 21)	10,5	86,40	224,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504606	25 G 0,5 (AWG 21)	12,7	120,00	308,00	grey	V0: 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
JOB_T1504607	30 G 0,5 (AWG 21)	13,4	144,00	336,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504608	36 G 0,5 (AWG 21)	14,5	172,80	394,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504609	2 X 0,75 (AWG 19)	5,4	14,40	49,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504610	3 G 0,75 (AWG 19)	5,8	21,60	61,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504611	4 G 0,75 (AWG 19)	6,3	28,80	77,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504612	5 G 0,75 (AWG 19)	7,0	36,00	92,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504613	7 G 0,75 (AWG 19)	8,3	50,40	132,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504614	12 G 0,75 (AWG 19)	9,8	86,40	188,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504615	18 G 0,75 (AWG 19)	11,7	129,60	293,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504616	25 G 0,75 (AWG 19)	14,1	180,00	399,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504617	36 G 0,75 (AWG 19)	16,2	259,20	540,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504618	42 G 0,75 (AWG 19)	17,7	302,40	635,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504619	2 X 1 (AWG 18)	5,7	19,20	58,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504620	3 G 1 (AWG 18)	6,2	28,80	74,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504621	4 G 1 (AWG 18)	6,6	38,40	92,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504622	5 G 1 (AWG 18)	7,4	48,00	116,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504623	7 G 1 (AWG 18)	9,0	67,20	164,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1505374	8 G 1 (AWG 18)	9,7	80,00	184,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_9567106	12 G 1 (AWG 18)	10,5	115,20	234,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504625	18 G 1 (AWG 18)	12,5	172,80	363,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504626	25 G 1 (AWG 18)	15,3	240,00	500,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_9567603	36 G 1 (AWG 18)	17,5	346,00	620,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504627	2 X 1,5 (AWG 16)	6,3	28,80	72,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504628	3 G 1,5 (AWG 16)	6,8	43,20	93,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504629	4 G 1,5 (AWG 16)	7,4	57,60	117,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504630	5 G 1,5 (AWG 16)	8,3	72,00	148,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504631	7 G 1,5 (AWG 16)	10,0	100,80	210,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504632	12 G 1,5 (AWG 16)	11,9	172,80	304,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504633	18 G 1,5 (AWG 16)	14,2	259,20	479,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_9568572	25 G 1,5 (AWG 16)	17,4	360,00	666,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504635	36 G 1,5 (AWG 16)	19,8	518,40	867,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504636	42 G 1,5 (AWG 16)	22,0	604,80	1020,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1505599	50 G 1,5 (AWG 16)	24,3	720,00	1051,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504637	3 G 2,5 (AWG 14)	8,2	72,00	146,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_9567105	4 G 2,5 (AWG 14)	9,0	96,00	191,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504639	5 G 2,5 (AWG 14)	10,1	120,00	239,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504640	7 G 2,5 (AWG 14)	12,3	168,00	339,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504641	12 G 2,5 (AWG 14)	14,7	288,00	499,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504642	3 G 4 (AWG 12)	9,7	115,20	211,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504643	4 G 4 (AWG 12)	10,5	153,60	276,00	grey	V0: 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
JOB_T1504644	5 G 4 (AWG 12)	12,1	192,00	345,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504645	3 G 6 (AWG 10)	11,8	172,80	302,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504646	4 G 6 (AWG 10)	12,8	230,40	393,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504647	5 G 6 (AWG 10)	14,7	288,00	498,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504648	4 G 10 (AWG 8)	16,7	384,00	681,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504649	5 G 10 (AWG 8)	19,0	480,00	848,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504650	4 G 16 (AWG 6)	19,8	614,40	1001,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA
JOB_T1504651	5 G 16 (AWG 6)	22,8	768,00	1254,00	grey	V0: KAWEFLEX 6110 SK-PVC UL/CSA



USE OF CABLE

twisted pair shielded electronic cable for data and signal transmission for high electrical and mechanical requirements in drag chains, in electrical motion facilities, machine tools and handling automats.



SPECIAL FEATURES

- UL/CSA approved
- low adhesion, silicone-free
- UV-resistant
- halogen free, flame-retardant acc. to IEC 60332-1-2, FT1, VW1
- oilresistant acc. to DIN EN 60811-404
- largely resistant to grease, coolant fluids and lubricants
- recommended for EMC-compatible applications

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.

PRODUCT INFORMATION

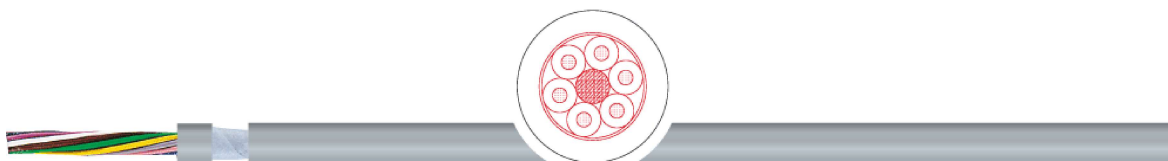
Conductor material:	Bare copper strand
Conductor class:	Super fine wires acc.to VDE 0295 cl. 6 pt. 4 resp. IEC60228 cl. 6 pt. 4
Core insulation:	PELON®2
Core identification:	Coloured acc. to DIN 47100
Overall stranding:	Cores twisted to pairs, pairs stranded in layers
Shield3:	Copper braid tinned, coverage approx. 85% ± 5%
Outer sheath:	PUR
Sheath colour:	Grey RAL 7001
Rated voltage:	Acc. to VDE: 300/300V; acc. to UL: 300 V
Testing voltage:	Core/core: 1.500 V; core/shield: 500 V
Conductor resistance:	At +20 °C acc. to DIN VDE 0295 cl.6 resp. IEC60228 cl.6
Insulation resistance:	At +20 °C ≥ 500 MΩ x km
Current-carrying-capacity:	Acc. to DIN VDE
Capacity:	Core/core: approx. 65 pF/m
Inductivity:	Approx. 0,6 mH/km
Min. bending radius fixed:	5 x d
Min. bending radius moved:	7,5 x d < 10 m TL; 10 x d ≥ 10 m TL
Operat. temp. fixed min/max:	-50 °C / +80 °C
Operat. temp. moved min/max:	-40 °C / +80 °C
Burning behavior:	Flame-retardant acc. to IEC 60332-1-2, FT1, VW1
Resistant to oil:	Acc. to DIN EN 60811-2-1
Approvals:	UL/CSA - cURus 300V, 80°C
Speed:	Self-supporting: max. 10 m/s, gliding: max. 5 m/s
Acceleration:	Max. 20 m/s²

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1505002	2 X 2 X 0,14 (AWG 26)	5,9	17,00	30,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_T1505003	3 X 2 X 0,14 (AWG 26)	6,2	21,00	37,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_T1505004	4 X 2 X 0,14 (AWG 26)	6,6	25,00	42,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_T1505005	6 X 2 X 0,14 (AWG 26)	7,4	34,00	68,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_T1505006	8 X 2 X 0,14 (AWG 26)	8,8	42,00	90,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_T1505007	10 X 2 X 0,14 (AWG 26)	10,1	50,00	102,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA

KAWEFLEX® 6530 SK-TP-C-PUR UL/CSA

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1505008	1 X 2 X 0,25 (AWG 24)	4,7	15,00	30,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_T1505009	2 X 2 X 0,25 (AWG 24)	6,3	26,00	43,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_9568577	3 X 2 X 0,25 (AWG 24)	6,6	32,00	51,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_9567633	4 X 2 X 0,25 (AWG 24)	7,2	41,00	62,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_1206003	5 X 2 X 0,25 (AWG 24)	7,8	46,00	71,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_9568183	6 X 2 X 0,25 (AWG 24)	8,6	54,00	82,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_9568057	8 X 2 X 0,25 (AWG 24)	10,3	67,00	102,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_T1505015	10 X 2 X 0,25 (AWG 24)	10,7	87,00	127,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_9568099	14 X 2 X 0,25 (AWG 24)	11,9	110,00	176,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_T1505017	1 X 2 X 0,34 (AWG 22)	4,9	17,00	37,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_T1505018	2 X 2 X 0,34 (AWG 22)	6,7	31,00	59,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_T1505019	3 X 2 X 0,34 (AWG 22)	7,1	42,00	68,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_9567634	4 X 2 X 0,34 (AWG 22)	7,7	50,00	75,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_T1505021	6 X 2 X 0,34 (AWG 22)	9,3	77,00	113,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_T1505022	8 X 2 X 0,34 (AWG 22)	11,5	96,00	134,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_T1505023	10 X 2 X 0,34 (AWG 22)	12,5	113,00	164,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_T1505024	1 X 2 X 0,5 (AWG 21)	5,2	28,00	44,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_9567278	2 X 2 X 0,5 (AWG 21)	7,3	42,00	60,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_T1505026	3 X 2 X 0,5 (AWG 21)	7,7	55,00	74,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_9568589	4 X 2 X 0,5 (AWG 21)	8,6	67,00	90,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_T1505028	5 X 2 X 0,5 (AWG 21)	9,3	80,00	112,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_9567749	6 X 2 X 0,5 (AWG 21)	10,3	99,00	125,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_T1505030	8 X 2 X 0,5 (AWG 21)	12,2	127,00	169,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_T1505031	10 X 2 X 0,5 (AWG 21)	14,2	152,00	198,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_9568885	14 X 2 X 0,5 (AWG 21)	14,4	197,00	258,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_T1505033	2 X 2 X 0,75 (AWG 19)	8,3	54,00	90,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_T1505034	3 X 2 X 0,75 (AWG 19)	8,7	69,00	128,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_9568742	4 X 2 X 0,75 (AWG 19)	9,5	94,00	178,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_9568743	6 X 2 X 0,75 (AWG 19)	11,6	134,00	234,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_9568462	8 X 2 X 0,75 (AWG 19)	13,7	169,00	243,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_9568930	10 X 2 X 0,75 (AWG 19)	15,3	213,00	279,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_9567895	14 X 2 X 0,75 (AWG 19)	15,7	281,00	420,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_9568025	2 X 2 X 1 (AWG 18)	9,0	68,00	101,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_9568024	4 X 2 X 1 (AWG 18)	10,5	113,00	185,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_T1505042	6 X 2 X 1 (AWG 18)	12,6	167,00	260,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA
JOB_T1505043	6 X 2 X 1,5 (AWG 16)	14,5	250,00	380,00	grey	V0: KAWEFLEX 6530 SK-TP-C-PUR UL/CSA



USE OF CABLE

electronic drag chain cable for data and signal transmission for high requirements in drag chains and moving drive systems.



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

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive")
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.

PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Super fine wires acc.to VDE 0295 cl. 6 pt. 4 resp. IEC60228 cl. 6 pt. 4
Core insulation:	PELON®2
Core identification:	Coloured acc. to DIN 47100
Overall stranding:	Cores stranded in layers
Outer sheath:	PUR
Sheath colour:	Grey RAL 7001
Rated voltage:	Acc. to VDE: 300/300V; acc. to UL: 300 V
Testing voltage:	Core/core: 1.500 V
Conductor resistance:	At +20 °C acc. to DIN VDE 0295 cl.6 resp. IEC60228 cl.6
Insulation resistance:	At +20 °C $\geq 500 \text{ M}\Omega \times \text{km}$
Current-carrying-capacity:	Acc. to DIN VDE
Capacity:	Core/core: approx. 55 pF/m
Inductivity:	Approx. 0,6 mH/km
Min. bending radius fixed:	5 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
Burning behavior:	Flame-retardant acc. to IEC 60332-1-2, FT1
Resistant to oil:	Acc. to DIN EN 60811-404
Approvals:	UL/CSA - cURus 300V, 80°C
Speed:	Self-supporting: max. 10 m/s, gliding: max. 5 m/s
Acceleration:	Max. 20 m/s²

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1504901	2 X 0,14 (AWG 26)	4,0	2,90	17,00	grey	V0: KAWEFLEX 6330 SK-PUR UL/CSA
JOB_T1504902	3 X 0,14 (AWG 26)	4,1	4,40	19,00	grey	V0: KAWEFLEX 6330 SK-PUR UL/CSA
JOB_T1504903	4 X 0,14 (AWG 26)	4,4	5,80	23,00	grey	V0: KAWEFLEX 6330 SK-PUR UL/CSA
JOB_T1504904	5 X 0,14 (AWG 26)	4,7	7,20	26,00	grey	V0: KAWEFLEX 6330 SK-PUR UL/CSA
JOB_T1504905	7 X 0,14 (AWG 26)	5,3	10,20	33,00	grey	V0: KAWEFLEX 6330 SK-PUR UL/CSA
JOB_T1504906	10 X 0,14 (AWG 26)	6,4	14,50	46,00	grey	V0: KAWEFLEX 6330 SK-PUR UL/CSA
JOB_T1504907	14 X 0,14 (AWG 26)	6,6	20,60	58,00	grey	V0: KAWEFLEX 6330 SK-PUR UL/CSA

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1504908	18 X 0,14 (AWG 26)	7,2	26,50	70,00	grey	V0: KAWEFLEX 6330 SK- PUR UL/CSA
JOB_T1504909	25 X 0,14 (AWG 26)	8,8	37,10	91,00	grey	V0: KAWEFLEX 6330 SK- PUR UL/CSA
JOB_T1504910	2 X 0,25 (AWG 24)	4,3	5,10	22,00	grey	V0: KAWEFLEX 6330 SK- PUR UL/CSA
JOB_9568811	3 X 0,25 (AWG 24)	4,5	7,50	27,00	grey	V0: KAWEFLEX 6330 SK- PUR UL/CSA
JOB_T1504912	4 X 0,25 (AWG 24)	4,8	10,00	33,00	grey	V0: KAWEFLEX 6330 SK- PUR UL/CSA
JOB_T1504913	5 X 0,25 (AWG 24)	5,1	12,50	39,00	grey	V0: KAWEFLEX 6330 SK- PUR UL/CSA
JOB_T1504914	7 X 0,25 (AWG 24)	5,8	17,80	55,00	grey	V0: KAWEFLEX 6330 SK- PUR UL/CSA
JOB_T1504915	10 X 0,25 (AWG 24)	7,1	25,60	77,00	grey	V0: KAWEFLEX 6330 SK- PUR UL/CSA
JOB_T1504916	14 X 0,25 (AWG 24)	7,3	35,80	93,00	grey	V0: KAWEFLEX 6330 SK- PUR UL/CSA
JOB_T1504917	18 X 0,25 (AWG 24)	8,0	46,20	117,00	grey	V0: KAWEFLEX 6330 SK- PUR UL/CSA
JOB_T1504918	25 X 0,25 (AWG 24)	9,9	64,50	149,00	grey	V0: KAWEFLEX 6330 SK- PUR UL/CSA
JOB_T1504919	2 X 0,34 (AWG 22)	4,5	6,80	31,00	grey	V0: KAWEFLEX 6330 SK- PUR UL/CSA
JOB_T1504920	3 X 0,34 (AWG 22)	4,7	10,20	35,00	grey	V0: KAWEFLEX 6330 SK- PUR UL/CSA
JOB_9568853	4 X 0,34 (AWG 22)	5,0	13,60	38,00	grey	V0: KAWEFLEX 6330 SK- PUR UL/CSA
JOB_9568782	5 X 0,34 (AWG 22)	5,4	17,00	45,00	grey	V0: KAWEFLEX 6330 SK- PUR UL/CSA
JOB_T1504923	7 X 0,34 (AWG 22)	6,2	23,80	64,00	grey	V0: KAWEFLEX 6330 SK- PUR UL/CSA
JOB_T1504924	10 X 0,34 (AWG 22)	7,6	34,00	90,00	grey	V0: KAWEFLEX 6330 SK- PUR UL/CSA
JOB_T1504925	14 X 0,34 (AWG 22)	7,8	47,60	111,00	grey	V0: KAWEFLEX 6330 SK- PUR UL/CSA
JOB_T1504926	18 X 0,34 (AWG 22)	8,8	61,20	140,00	grey	V0: KAWEFLEX 6330 SK- PUR UL/CSA
JOB_T1504927	25 X 0,34 (AWG 22)	10,6	85,00	200,00	grey	V0: KAWEFLEX 6330 SK- PUR UL/CSA



USE OF CABLE

as shielded, single core, double sheathed motor connection cable for highly flexible applications (e.g. cable drag chains, gantry robots, pick&place units, conveyor systems, machine tools, automatic conveyor systems) manufacturing systems, test systems, etc.) for normal electrical and mechanical requirements. Suitable for use in dry, humid and wet environments as well as outdoors.



These single-core cables can replace multi-core cables when space constraints or minimum bending radii cause problems.

SPECIAL FEATURES

- UL/CSA approval
- low adhesion, silicone-free
- UV-resistant (version with black outer jacket)
- oil resistant according to EN 60811-404 (mineral oil only), EN 50290-2-22 TM54
- largely resistant to greases, coolants 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
- conform to 2014/35/EU-Guideline ("Low-Voltage-Directive") CE
- We are pleased to produce special designs, other dimensions, cross-sections, core and sheath colours on request.

PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Super fine wires acc. to IEC 60228 cl. 6
Core insulation:	PVC
Core identification:	Black
Shield:	Copper braid tinned, opt. coverage approx. 85 %
Outer sheath:	PVC
Sheath colour:	Black, RAL 9005
Rated voltage:	IEC: 600/1.000 V, UL: 1.000 V
Testing voltage:	4 kV
Conductor resistance:	At +20 °C acc. to IEC 60228 cl. 6
Min. bending radius fixed:	5 x d
Min. bending radius moved:	10 x d
Operat. temp. fixed min/max:	-40 °C / +90 °C
Operat. temp. moved min/max:	-5 °C / +90 °C
Burning behavior:	Self-extinguishing & flame-retardant acc.to IEC 60332-1, UL: VW-1, CSA: FT-1
Resistant to oil:	Acc. to ISO 6722, EN 60811-404 (only mineral oil), EN 50290-2-22 TM54
Approvals:	UL/CSA - cURus 1.000 V, 90°C
Speed:	Max. 120 m/min
Acceleration:	Max. 20 m/s²

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1505636	1 X 1,5 (AWG 16)	4,9	31,00	56,00	black	V1: KAWEFLEX 5278 SC SK-C-PVC 0,6/1 KV UL/CSA
JOB_T1505637	1 X 2,5 (AWG 14)	5,1	38,00	63,00	black	V1: KAWEFLEX 5278 SC SK-C-PVC 0,6/1 KV UL/CSA
JOB_T1505638	1 X 4 (AWG 12)	5,8	57,00	81,00	black	V1: KAWEFLEX 5278 SC SK-C-PVC 0,6/1 KV UL/CSA
JOB_T1505639	1 X 6 (AWG 10)	6,7	79,00	111,00	black	V1: KAWEFLEX 5278 SC SK-C-PVC 0,6/1 KV UL/CSA
JOB_T1505640	1 X 10 (AWG 8)	8,3	125,00	170,00	black	V1: KAWEFLEX 5278 SC SK-C-PVC 0,6/1 KV UL/CSA
JOB_T1505641	1 X 16 (AWG 6)	9,6	194,00	245,00	black	V1: KAWEFLEX 5278 SC SK-C-PVC 0,6/1 KV UL/CSA

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1505642	1 X 25 (AWG 4)	11,4	287,00	356,00	black	V1: KAWEFLEX 5278 SC SK-C-PVC 0,6/1 KV UL/CSA
JOB_T1505643	1 X 35 (AWG 2)	13,6	407,00	502,00	black	V1: KAWEFLEX 5278 SC SK-C-PVC 0,6/1 KV UL/CSA
JOB_T1505644	1 X 50 (AWG 1)	16,3	561,00	721,00	black	V1: KAWEFLEX 5278 SC SK-C-PVC 0,6/1 KV UL/CSA
JOB_T1505645	1 X 70 (AWG 2/0)	18,6	771,00	957,00	black	V1: KAWEFLEX 5278 SC SK-C-PVC 0,6/1 KV UL/CSA
JOB_T1505646	1 X 95 (AWG 3/0)	20,0	1013,00	1205,00	black	V1: KAWEFLEX 5278 SC SK-C-PVC 0,6/1 KV UL/CSA
JOB_T1505647	1 X 120 (AWG 4/0)	21,3	1261,00	1443,00	black	V1: KAWEFLEX 5278 SC SK-C-PVC 0,6/1 KV UL/CSA
JOB_T1505648	1 X 150 (250 MCM)	23,9	1566,00	1805,00	black	V1: KAWEFLEX 5278 SC SK-C-PVC 0,6/1 KV UL/CSA
JOB_T1505649	1 X 185 (350 MCM)	26,5	1919,00	2233,00	black	V1: KAWEFLEX 5278 SC SK-C-PVC 0,6/1 KV UL/CSA
JOB_T1505650	1 X 240 (450 MCM)	30,2	2512,00	2881,00	black	V1: KAWEFLEX 5278 SC SK-C-PVC 0,6/1 KV UL/CSA
JOB_T1505651	1 X 300 (550 MCM)	32,6	3104,00	3492,00	black	V1: KAWEFLEX 5278 SC SK-C-PVC 0,6/1 KV UL/CSA



USE OF CABLE

shielded, low capacity power cable with control cores for temperature sensors or brake for EMC-compatible connecting between drives and frequency converter for normal electrical and mechanical requirements. Suitable for dry and humid rooms.



SPECIAL FEATURES

- conform to DESINA, UL/CSA approved
- largely resistant to grease, coolant fluids and lubricants
- silicone-free
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- optimal cost-value ratio

PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Acc. to DIN VDE 0295 cl. 5 resp. IEC 60228 cl. 5
Core insulation:	PELON®2
Core identification:	Supply cores: BK w. WH print U/L1/C/L+; V/L2; W/L3/D/L- & GNYE; control cores: 1 pair, BK & WH; triple: BK with WH numerals 1, 2, 3
Shield:	Control pair resp. triple bundle with tinned copper shield
Overall stranding:	Cores and pair resp. triple element stranded together with high flexible fillers
Shield3:	Copper braid tinned, opt. coverage appr. 80 %
Outer sheath:	PVC
Sheath colour:	Orange, RAL 2003
Rated voltage:	Uo/U 600/1.000 V; UL & CSA: 1.000 V
Testing voltage:	4 kV
Conductor resistance:	At +20 °C acc. to DIN VDE 0295 cl. 5/IEC 60228 cl. 5
Insulation resistance:	At 20° C $\geq$ 20 GOhm x km
Min. bending radius fixed:	5 x d
Min. bending radius moved:	15 x d
Operat. temp. fixed min/max:	-30°C / +80°C
Operat. temp. moved min/max:	-5°C / +80°C
Burning behavior:	Self-extinguishing and flame-retardant acc. to IEC 60332-1; UL: VW1; CSA: FT1
Resistant to oil:	Acc. to ISO 6722, EN 60811-404 (only mineral oil)
Approvals:	UL/CSA - cURus 1.000 V, 80 °C
Speed:	Self-supporting: max. 30 m/min
Acceleration:	Max. 2 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
JOB_T1504496	4 G 1,5	8,4	77,00	143,00	orange	V1: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Siemens MC 500: V, U, W, GNGE
JOB_T1504497	4 G 2,5	9,8	120,00	213,00	orange	V1: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Siemens MC 500: V, U, W, GNGE
JOB_T1504498	4 G 4	11,9	182,00	287,00	orange	V2: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Siemens MC 500: U, V, W, GNGE
JOB_T1504512	4 G 6	14,7	285,00	424,00	orange	V2: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Siemens MC 500: U, V, W, GNGE
JOB_T1504513	4 G 10	17,5	449,00	631,00	orange	V2: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Siemens MC 500: U, V, W, GNGE

KAWEFLEX® 5268 SK-C-PVC UL/CSA SERVO 0,6/1kV

Product No.	Dimension [n x mm²]	Outer- Ø [mm]	Cu- Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1505407	4 G 16	21,6	724,00	927,00	orange	V2: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Siemens MC 500: U, V, W, GNGE
JOB_T1505408	4 G 25	25,4	1092,00	1329,00	orange	V2: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Siemens MC 500: U, V, W, GNGE
JOB_T1505409	4 G 35	29,5	1497,00	1831,00	orange	V2: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Siemens MC 500: U, V, W, GNGE
JOB_T1505410	4 G 50	33,4	2099,00	2488,00	orange	V2: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Siemens MC 500: U, V, W, GNGE
JOB_9568974	4 G 1,5 + (2 X 1,5)	11,0	126,50	210,00	orange	V3: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Siemens MC 500: V, U, W, SW-WS, GNGE
JOB_9568883	4 G 2,5 + (2 X 1,5)	12,4	171,40	298,00	orange	V3: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Siemens MC 500: V, U, W, SW-WS, GNGE
JOB_T1504501	4 G 4 + (2 X 1,5)	13,9	249,50	398,00	orange	V4: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Siemens MC 500: U, V, W, SW-WS, GNGE
JOB_T1504514	4 G 6 + (2 X 1,5)	16,1	337,20	517,00	orange	V4: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Siemens MC 500: U, V, W, SW-WS, GNGE
JOB_T1504515	4 G 10 + (2 X 1,5)	19,3	525,30	720,00	orange	V4: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Siemens MC 500: U, V, W, SW-WS, GNGE
JOB_T1505411	4 G 16 + (2 X 1,5)	22,5	772,00	1018,20	orange	V4: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Siemens MC 500: U, V, W, SW-WS, GNGE
JOB_T1505412	4 G 25 + (2 X 1,5)	26,5	1137,00	1446,00	orange	V4: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Siemens MC 500: U, V, W, SW-WS, GNGE
JOB_T1505413	4 G 35 + (2 X 1,5)	31,0	1546,00	1949,00	orange	V4: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Siemens MC 500: U, V, W, SW-WS, GNGE
JOB_T1505414	4 G 50 + (2 X 1,5)	34,0	2143,00	2622,00	orange	V4: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Siemens MC 500: U, V, W, SW-WS, GNGE
JOB_T1505425	4 G 1 + 2 X (2 X 0,75)	12,0	124,00	216,00	orange	V5: KAWEFLEX 5268 UL/CSA: nach / acc. Standard Bosch Rexroth: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505423	4 G 1,5 + 2 X (2 X 0,75)	13,0	143,00	245,00	orange	V5: KAWEFLEX 5268 UL/CSA: nach / acc. Standard Bosch Rexroth: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505424	4 G 2,5 + 2 X (2 X 1)	14,0	211,00	334,00	orange	V5: KAWEFLEX 5268 UL/CSA: nach / acc. Standard Bosch Rexroth: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505426	4 G 4 + (2 X 1) + (2 X 1,5)	16,3	294,00	438,00	orange	V5: KAWEFLEX 5268 UL/CSA: nach / acc. Standard Bosch Rexroth: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505427	4 G 6 + (2 X 1) + (2 X 1,5)	19,2	405,00	604,00	orange	V5: KAWEFLEX 5268 UL/CSA: nach / acc. Standard Bosch Rexroth: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505428	4 G 10 + (2 X 1) + (2 X 1,5)	22,0	570,00	796,00	orange	V5: KAWEFLEX 5268 UL/CSA: nach / acc. Standard Bosch Rexroth: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505429	4 G 16 + 2 X (2 X 1,5)	25,5	818,00	1134,00	orange	V5: KAWEFLEX 5268 UL/CSA: nach / acc. Standard Bosch Rexroth: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1504652	4 G 1,5 + (3 X 1)	11,4	135,00	225,00	orange	V6: KAWEFLEX 5268 UL/CSA: U, V, W, 1, 2, 3, GNGE (nach Standard SEW)
JOB_9568769	4 G 2,5 + (3 X 1)	13,4	178,00	282,00	orange	V6: KAWEFLEX 5268 UL/CSA: U, V, W, 1, 2, 3, GNGE (nach Standard SEW)
JOB_9568931	4 G 4 + (3 X 1)	14,8	254,00	378,00	orange	V6: KAWEFLEX 5268 UL/CSA: U, V, W, 1, 2, 3, GNGE (nach Standard SEW)
JOB_T1504655	4 G 6 + (3 X 1,5)	17,4	379,00	528,00	orange	V6: KAWEFLEX 5268 UL/CSA: U, V, W, 1, 2, 3, GNGE (nach Standard SEW)
JOB_T1504656	4 G 10 + (3 X 1,5)	20,3	565,00	758,00	orange	V6: KAWEFLEX 5268 UL/CSA: U, V, W, 1, 2, 3, GNGE (nach Standard SEW)
JOB_T1505415	4 G 16 + (3 X 1,5)	23,7	794,00	1059,00	orange	V6: KAWEFLEX 5268 UL/CSA: U, V, W, 1, 2, 3, GNGE (nach Standard SEW)
JOB_T1505416	4 G 1 + (2 X 0,5)	9,4	82,00	140,00	orange	V7: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Lenze: WWW, VV, U, SW-WS, GNGE

Product No.	Dimension [n x mm²]	Outer- Ø [mm]	Cu- Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1505417	4 G 1,5 + (2 X 0,5)	10,4	103,00	153,00	orange	V7: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Lenze: WWW, VV, U, SW-WS, GNGE
JOB_T1505418	4 G 2,5 + (2 X 0,5)	11,4	142,00	219,00	orange	V7: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Lenze: WWW, VV, U, SW-WS, GNGE
JOB_T1505419	4 G 4 + (2 X 1)	13,7	244,00	374,00	orange	V7: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Lenze: WWW, VV, U, SW-WS, GNGE
JOB_T1505420	4 G 6 + (2 X 1)	15,9	325,00	462,00	orange	V7: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Lenze: WWW, VV, U, SW-WS, GNGE
JOB_T1505421	4 G 10 + (2 X 1)	19,1	517,00	688,00	orange	V7: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Lenze: WWW, VV, U, SW-WS, GNGE
JOB_T1505422	4 G 16 + (2 X 1)	22,3	760,00	1001,00	orange	V7: KAWEFLEX 5268 UL/CSA: nach / acc. to Standard Lenze: WWW, VV, U, SW-WS, GNGE
JOB_T1505462	4 G 1,5 + (2 X 1)	11,3	128,00	158,00	orange	V8.1: KAWEFLEX 5268 UL/CSA: nach / acc. Diverse: WWW, VV, U, SW-WS, GNGE
JOB_T1505463	4 G 2,5 + (2 X 1)	12,3	171,00	209,00	orange	V8.1: KAWEFLEX 5268 UL/CSA: nach / acc. Diverse: WWW, VV, U, SW-WS, GNGE
JOB_T1505433	4 G 0,75 + 2 X (2 X 0,34)	10,3	82,00	145,00	orange	V8.2: KAWEFLEX 5268 UL/CSA: nach / acc. Diverse: U, V, 5, 6, W, GNGE, 7, 8
JOB_9568561	4 G 2,5 + 2 X (2 X 0,75)	13,8	201,00	311,00	orange	V8.2: KAWEFLEX 5268 UL/CSA: nach / acc. Diverse: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505434	4 G 4 + 2 X (2 X 1)	16,1	275,00	416,00	orange	V8.2: KAWEFLEX 5268 UL/CSA: nach / acc. Diverse: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505435	4 G 6 + 2 X (2 X 1)	19,0	359,00	577,00	orange	V8.2: KAWEFLEX 5268 UL/CSA: nach / acc. Diverse: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505436	4 G 10 + 2 X (2 X 1)	21,6	571,00	812,00	orange	V8.2: KAWEFLEX 5268 UL/CSA: nach / acc. Diverse: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505437	4 G 16 + 2 X (2 X 1)	25,0	794,00	1088,00	orange	V8.2: KAWEFLEX 5268 UL/CSA: nach / acc. Diverse: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505430	4 G 25 + 2 X (2 X 1)	27,6	1210,00	1460,00	orange	V8.2: KAWEFLEX 5268 UL/CSA: nach / acc. Diverse: U, V, 5, 6, W, GNGE, 7, 8
JOB_T1505431	4 G 35 + 2 X (2 X 1)	30,4	1624,00	1882,00	orange	V8.2: KAWEFLEX 5268 UL/CSA: nach / acc. Diverse: U, V, 5, 6, W, GNGE, 7, 8



USE OF CABLE

shielded electronic cable for data and signal transmission for high mechanical requirements in drag chains, in electrical motion facilities, machine tools and handling automats.



SPECIAL FEATURES

- UL/CSA approved
- low adhesion, silicone-free
- UV-resistant
- halogen free, flame-retardant acc. to IEC 60332-1-2, FT1, VW1
- oilresistant acc. to DIN EN 60811-404
- largely resistant to grease, coolant fluids and lubricants
- recommended for EMC-compatible applications

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- cables for torsional stress see chapter 04.25
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.

PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Super fine wires acc.to VDE 0295 cl. 6 pt. 4 resp. IEC60228 cl. 6 pt. 4
Core insulation:	PELON®2
Core identification:	Coloured acc. to DIN 47100
Overall stranding:	Cores stranded in layers
Shield3:	Copper braid tinned, coverage approx. 85% ± 5%
Outer sheath:	PUR
Sheath colour:	Grey RAL 7001
Rated voltage:	Acc. to VDE: 300/300V; acc. to UL: 300 V
Testing voltage:	Core/core: 1.500 V; core/shield: 500 V
Conductor resistance:	At +20 °C acc. to DIN VDE 0295 cl.6 resp. IEC60228 cl.6
Insulation resistance:	At +20 °C ≥ 500 MΩ x km
Current-carrying-capacity:	Acc. to DIN VDE
Capacity:	Core/core: approx. ca. 65 pF/m
Inductivity:	Approx. 0,6 mH/km
Min. bending radius fixed:	5 x d
Min. bending radius moved:	7,5 x d < 10 m TL; 10 x d ≥ 10 m TL
Operat. temp. fixed min/max:	-50 °C / +80 °C
Operat. temp. moved min/max:	-40 °C / +80 °C
Burning behavior:	Flame-retardant acc. to IEC 60332-1-2, FT1, VW1
Resistant to oil:	Acc. to DIN EN 60811-2-1
Approvals:	UL/CSA - cURus 300V, 80°C
Speed:	Self-supporting: max. 10 m/s, gliding: max. 5 m/s
Acceleration:	Max. 20 m/s²

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1504955	2 X 0,14 (AWG 26)	4,5	12,00	23,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
JOB_T1504956	3 X 0,14 (AWG 26)	4,7	13,00	25,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
JOB_T1504957	4 X 0,14 (AWG 26)	4,9	14,00	28,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
JOB_T1504958	5 X 0,14 (AWG 26)	5,2	17,00	33,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
JOB_T1505706	6 X 0,14 (AWG 26)	5,50	19,00	36,00	grey	V2: KAWEFLEX 6430 SK-C-PUR UL/CSA
JOB_T1504959	7 X 0,14 (AWG 26)	5,8	21,00	41,00	grey	V0: KAWEFLEX 6430 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
JOB_T1504960	10 X 0,14 (AWG 26)	6,9	29,00	58,00	grey	V0: KAWEFLEX 6430 SK-C- PUR UL/CSA
JOB_T1504961	14 X 0,14 (AWG 26)	7,2	38,00	64,00	grey	V0: KAWEFLEX 6430 SK-C- PUR UL/CSA
JOB_T1504962	18 X 0,14 (AWG 26)	7,8	46,00	78,00	grey	V0: KAWEFLEX 6430 SK-C- PUR UL/CSA
JOB_9568051	25 X 0,14 (AWG 26)	9,5	63,00	108,00	grey	V0: KAWEFLEX 6430 SK-C- PUR UL/CSA
JOB_T1504964	2 X 0,25 (AWG 24)	4,8	14,00	26,00	grey	V0: KAWEFLEX 6430 SK-C- PUR UL/CSA
JOB_T1504965	3 X 0,25 (AWG 24)	5,0	16,00	32,00	grey	V0: KAWEFLEX 6430 SK-C- PUR UL/CSA
JOB_9567509	4 X 0,25 (AWG 24)	5,3	20,00	37,00	grey	V0: KAWEFLEX 6430 SK-C- PUR UL/CSA
JOB_T1504967	5 X 0,25 (AWG 24)	5,6	24,00	43,00	grey	V0: KAWEFLEX 6430 SK-C- PUR UL/CSA
JOB_T1504968	7 X 0,25 (AWG 24)	6,4	30,00	54,00	grey	V0: KAWEFLEX 6430 SK-C- PUR UL/CSA
JOB_T1504969	10 X 0,25 (AWG 24)	7,7	46,00	81,00	grey	V0: KAWEFLEX 6430 SK-C- PUR UL/CSA
JOB_9567506	14 X 0,25 (AWG 24)	8,0	56,00	93,00	grey	V0: KAWEFLEX 6430 SK-C- PUR UL/CSA
JOB_9568248	18 X 0,25 (AWG 24)	8,8	71,00	124,00	grey	V0: KAWEFLEX 6430 SK-C- PUR UL/CSA
JOB_T1504972	25 X 0,25 (AWG 24)	10,5	95,00	165,00	grey	V0: KAWEFLEX 6430 SK-C- PUR UL/CSA
JOB_9568807	2 X 0,34 (AWG 22)	5,1	16,00	31,00	grey	V0: KAWEFLEX 6430 SK-C- PUR UL/CSA
JOB_T1504974	3 X 0,34 (AWG 22)	5,4	20,00	37,00	grey	V0: KAWEFLEX 6430 SK-C- PUR UL/CSA
JOB_T1504975	4 X 0,34 (AWG 22)	5,7	24,00	42,00	grey	V0: KAWEFLEX 6430 SK-C- PUR UL/CSA
JOB_T1504976	5 X 0,34 (AWG 22)	6,0	30,00	51,00	grey	V0: KAWEFLEX 6430 SK-C- PUR UL/CSA
JOB_T1504977	7 X 0,34 (AWG 22)	7,1	38,00	60,00	grey	V0: KAWEFLEX 6430 SK-C- PUR UL/CSA
JOB_T1504978	10 X 0,34 (AWG 22)	8,6	59,00	104,00	grey	V0: KAWEFLEX 6430 SK-C- PUR UL/CSA
JOB_T1504979	14 X 0,34 (AWG 22)	8,7	73,00	118,00	grey	V0: KAWEFLEX 6430 SK-C- PUR UL/CSA
JOB_T1504980	18 X 0,34 (AWG 22)	9,6	90,00	150,00	grey	V0: KAWEFLEX 6430 SK-C- PUR UL/CSA
JOB_T1504981	25 X 0,34 (AWG 22)	11,7	121,00	205,00	grey	V0: KAWEFLEX 6430 SK-C- PUR UL/CSA



USE OF CABLE

as single core, double sheathed motor connection cable for highly flexible applications (e.g. cable drag chains, gantry robots, pick&place units, conveyor systems, machine tools, automatic conveyor systems) manufacturing systems, test systems, etc.) for normal electrical and mechanical requirements. Suitable for use in dry, humid and wet environments as well as outdoors.



These single-core cables can replace multi-core cables when space constraints or minimum bending radii cause problems.

SPECIAL FEATURES

- UL/CSA approval, DESINA compliant
- low adhesion, silicone-free
- UV-resistant (version with black outer jacket)
- oil resistant according to EN 60811-404 (mineral oil only), EN 50290-2-22 TM54
- largely resistant to greases, coolants and lubricants
- due to 1.000 V UL/CSA approval parallel laying with other 1.000 V cables is permitted.

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage-Directive") CE
- We are pleased to produce special designs, other dimensions, cross-sections, core and sheath colours on request.

PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Super fine wires acc. to IEC 60228 cl. 6
Core insulation:	PVC
Core identification:	Black resp. gnye
Outer sheath:	PVC
Sheath colour:	Black, RAL 9005
Rated voltage:	IEC: 600/1.000 V, UL: 1.000 V
Testing voltage:	4 kV
Conductor resistance:	At +20 °C acc. to IEC 60228 cl. 6
Min. bending radius fixed:	5 x d
Min. bending radius moved:	10 x d
Operat. temp. fixed min/max:	-40 °C / +90 °C
Operat. temp. moved min/max:	-5 °C / +90 °C
Burning behavior:	Self-extinguishing & flame-retardant acc.to IEC 60332-1, UL: VW-1, CSA: FT-1
Resistant to oil:	Acc. to ISO 6722, EN 60811-404 (only mineral oil), EN 50290-2-22 TM54
Approvals:	UL/CSA - cURus 1.000V, 90°C
Speed:	Max. 120 m/min
Acceleration:	Max. 20 m/s²

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1505604	1 G 1,5 (AWG 16)	3,9	14,40	29,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505605	1 G 2,5 (AWG 14)	4,5	24,00	42,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505606	1 G 4 (AWG 12)	5,2	38,40	60,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505607	1 G 6 (AWG 10)	6,1	58,00	86,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505608	1 G 10 (AWG 8)	7,7	96,00	140,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505609	1 G 16 (AWG 6)	9,0	154,00	207,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505610	1 G 25 (AWG 4)	10,8	240,00	310,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505611	1 G 35 (AWG 2)	12,8	336,00	437,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1505612	1 G 50 (AWG 1)	15,3	480,00	625,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505613	1 G 70 (AWG 2/0)	16,6	672,00	855,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505614	1 G 95 (AWG 3/0)	19,2	912,00	1092,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505615	1 G 120 (AWG 4/0)	20,5	1152,00	1322,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505616	1 G 150 (250 MCM)	22,9	1440,00	1656,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505617	1 G 185 (350 MCM)	25,5	1776,00	2064,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505618	1 G 240 (450 MCM)	29,4	2304,00	2693,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505619	1 G 300 (550 MCM)	31,6	2880,00	3277,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505620	1 X 1,5 (AWG 16)	3,9	14,40	0,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505621	1 X 2,5 (AWG 14)	4,5	24,00	60,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505622	1 X 4 (AWG 12)	5,2	38,40	79,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505623	1 X 6 (AWG 10)	6,1	58,00	104,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505624	1 X 10 (AWG 8)	7,7	96,00	165,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505625	1 X 16 (AWG 6)	9,0	154,00	251,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505626	1 X 25 (AWG 4)	10,8	240,00	345,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505627	1 X 35 (AWG 2)	12,8	336,00	478,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505628	1 X 50 (AWG 1)	15,3	480,00	697,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505629	1 X 70 (AWG 2/0)	16,6	672,00	939,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505630	1 X 95 (AWG 3/0)	19,2	912,00	1172,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505631	1 X 120 (AWG 4/0)	20,5	1152,00	1407,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505632	1 X 150 (250 MCM)	22,9	1440,00	1774,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505633	1 X 185 (350 MCM)	25,5	1776,00	2136,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505634	1 X 240 (450 MCM)	29,4	2304,00	2907,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
JOB_T1505635	1 X 300 (550 MCM)	31,6	2880,00	3630,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA



USE OF CABLE

shielded, low capacity hybrid cable for drag chain applications in electrical drive technology, as a connection cable servo controller and motor, in assembly and insertion machines, especially for the wet area of transfer lines or machine tools.



SPECIAL FEATURES

- for HIPERFACE DSL® motor-feedback-systems - HighPERformance InterFACE Digital Servo Link
- largely resistant to grease, coolant fluids and lubricants
- resistant to oil acc. to DIN EN 60811-2-1
- silicone-free (by production)
- space and weight saving
- UV-resistant, halogen-free, low abrasion
- with the 1.000 V UL approval, the parallel laying with other cables that are equally approved for 1.000 V, is permitted
- conform to DESINA

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.
- HIPERFACE DSL® is a registered trademark of SICK AG

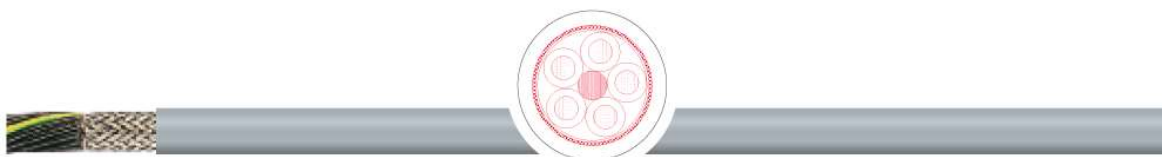
PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Acc. to IEC 60228 cl. 6 col. 4
Core insulation:	PELON®2
Core identification:	BK with WH print U/L1/C/L+;V/L2;W/L3/D/L- & 1core GNYE; signalpair: WH,BU, controlpair (optional): BK with WH numerals 5+6
Shield:	Signal pair/control pair: each pair shielded with tinned copper braid, optic. cover. appr. 85%
Overall stranding:	Cores & elements stranded together
Shield3:	Copper braid tinned, cover. appr. 85%
Outer sheath:	PUR
Sheath colour:	Orange, RAL 2003
Rated voltage:	Power- & control cores: IEC: 0,6/1kV; UL/CSA: 1kV; signal pair: max. 300V
Testing voltage:	Power- & control cores: 4 kV, signal pair: 1 kV
Conductor resistance:	At +20 °C acc. to IEC 60228 cl. 6
Insulation resistance:	At +20 °C $\geq 20 \text{ M}\Omega \times \text{km}$
Current-carrying-capacity:	Acc. to DIN VDE
Characteristic impedance:	Signal pair: approx. 100 Ohm
Transfer rate:	9.375 Mbaud until 100 m
Min. bending radius fixed:	5 x d
Min. bending radius moved:	7,5 x d < 10m 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
Burning behavior:	Flame-retardant acc. to IEC 60332-1-2, FT1, VW-1
Approvals:	UL/CSA - cURus 1.000 V, 80°C
Speed:	Self-supporting: max. 5 m/s
Acceleration:	Max. 10 m/s²

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer- Ø [mm]	Cu- Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1504867	4 G 1,5 + (2 X AWG 22/19)C	11,6	116,00	194,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1KV
JOB_T1504868	4 G 2,5 + (2 X AWG 22/19)C	12,8	168,00	253,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1KV

Product No.	Dimension [n x mm²]	Outer- Ø [mm]	Cu- Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1504869	4 G 4 + (2 X AWG 22/19)C	14,3	235,00	332,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1kV
JOB_T1505238	4 G 0,5 + (2 X 0,34)C + (2 X AWG 26/19)C	9,3	77,00	127,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1kV
JOB_T1505239	4 G 0,75 + (2 X 0,34)C + (2 X AWG 26/19)C	9,9	98,00	142,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1kV
JOB_T1505240	4 G 1 + (2 X 0,75)C + (2 X AWG 22/19)C	11,6	133,00	212,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1kV
JOB_T1505241	4 G 1,5 + (2 X 0,75)C + (2 X AWG 24/19)C	11,8	152,00	230,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1kV
JOB_T1505242	4 G 1,5 + (2 X 0,75)C + (2 X AWG 22/19)C	12,8	155,00	269,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1kV
JOB_T1504870	4 G 1,5 + (2 X 1)C + (2 X AWG 22/19)C	13,2	166,00	250,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1kV
JOB_T1505243	4 G 1,5 + (2 X 1,5)C + (2 X AWG 22/19)C	13,8	179,00	272,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1kV
JOB_T1504871	4 G 2,5 + (2 X 1)C + (2 X AWG 22/19)C	14,5	211,00	285,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1kV
JOB_T1505244	4 G 2,5 + (2 X 1,5)C + (2 X AWG 22/19)C	15,1	230,00	220,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1kV
JOB_T1504872	4 G 4 + (2 X 1)C + (2 X AWG 22/19)C	16,2	274,00	390,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1kV
JOB_T1505245	4 G 6 + (2 X 1)C + (2 X AWG 22/19)C	18,6	367,00	540,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1kV
JOB_T1505246	4 G 10 + (2 X 1,5)C + (2 X AWG 22/19)C	21,6	573,00	760,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1kV
JOB_T1505247	4 G 16 + (2 X 1,5)C + (2 X AWG 22/19)C	24,6	836,00	1020,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1kV



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 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:	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/s²

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_9568953	2 X 0,5 (AWG 21)	5,6	27,00	45,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504812	3 G 0,5 (AWG 21)	6,0	32,00	52,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504813	4 G 0,5 (AWG 21)	6,4	43,00	65,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504814	5 G 0,5 (AWG 21)	7,0	47,00	72,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504815	7 G 0,5 (AWG 21)	8,4	62,00	99,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504816	12 G 0,5 (AWG 21)	9,8	92,00	140,00	grey	V0: 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
JOB_T1504817	18 G 0,5 (AWG 21)	11,8	132,00	204,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_9568116	25 G 0,5 (AWG 21)	14,0	191,00	286,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504819	36 G 0,5 (AWG 21)	14,7	219,00	370,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504820	2 X 0,75 (AWG 19)	6,0	32,00	52,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504821	3 G 0,75 (AWG 19)	6,4	45,00	66,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504822	4 G 0,75 (AWG 19)	6,9	52,00	77,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504823	5 G 0,75 (AWG 19)	7,8	65,00	96,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_9568792	7 G 0,75 (AWG 19)	9,3	85,00	129,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504825	12 G 0,75 (AWG 19)	10,8	126,00	185,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504826	18 G 0,75 (AWG 19)	12,8	181,00	261,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504827	25 G 0,75 (AWG 19)	15,4	261,00	375,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_9567484	36 G 0,75 (AWG 19)	17,6	315,00	496,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504829	42 G 0,75 (AWG 19)	19,1	363,00	579,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504830	2 X 1 (AWG 18)	6,5	43,00	65,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504831	3 G 1 (AWG 18)	7,0	52,00	75,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504832	4 G 1 (AWG 18)	7,7	67,00	97,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504833	5 G 1 (AWG 18)	8,5	77,00	111,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504834	7 G 1 (AWG 18)	10,1	102,00	150,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504835	12 G 1 (AWG 18)	12,1	161,00	229,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504836	18 G 1 (AWG 18)	14,7	244,00	343,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504837	25 G 1 (AWG 18)	17,2	331,00	462,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_9568958	2 X 1,5 (AWG 16)	7,1	52,00	76,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1505600	3 X 1,5 (AWG 16)	7,8	72,00	100,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504839	3 G 1,5 (AWG 16)	7,8	72,00	100,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504840	4 G 1,5 (AWG 16)	8,4	86,00	121,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504841	5 G 1,5 (AWG 16)	9,5	106,00	148,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504842	7 G 1,5 (AWG 16)	11,5	141,00	199,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_10090042120150	12 G 1,5 (AWG 16)	13,5	244,00	323,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_9568718	18 G 1,5 (AWG 16)	16,5	340,00	455,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504845	25 G 1,5 (AWG 16)	19,5	461,00	620,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504846	36 G 1,5 (AWG 16)	22,2	588,00	844,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504847	42 G 1,5 (AWG 16)	24,1	679,00	978,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504848	3 G 2,5 (AWG 14)	9,3	106,00	144,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_9568954	4 G 2,5 (AWG 14)	10,0	131,00	177,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_9568812	5 G 2,5 (AWG 14)	11,4	160,00	214,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504851	7 G 2,5 (AWG 14)	13,9	219,00	301,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504852	12 G 2,5 (AWG 14)	16,5	339,00	479,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504853	18 G 2,5 (AWG 14)	19,7	518,00	685,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504854	25 G 2,5 (AWG 14)	23,5	674,00	981,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504855	4 G 4 (AWG 12)	12,0	199,00	261,00	grey	V0: 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
JOB_T1504856	5 G 4 (AWG 12)	13,8	244,00	316,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504857	4 G 6 (AWG 10)	14,4	301,00	384,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504858	5 G 6 (AWG 10)	16,4	369,00	471,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504859	4 G 10 (AWG 8)	17,3	475,00	585,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA
JOB_T1504860	4 G 16 (AWG 6)	21,3	725,00	889,00	grey	V0: KAWEFLEX 6230 SK-C-PUR UL/CSA



USE OF CABLE

twisted pair shielded electronic cable for data and signal transmission for normal requirements in drag chains, in electrical motion facilities, machine tools and handling automats.



SPECIAL FEATURES

- UL/CSA approved
- 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
- recommended for EMC-compatible applications

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.

PRODUCT INFORMATION

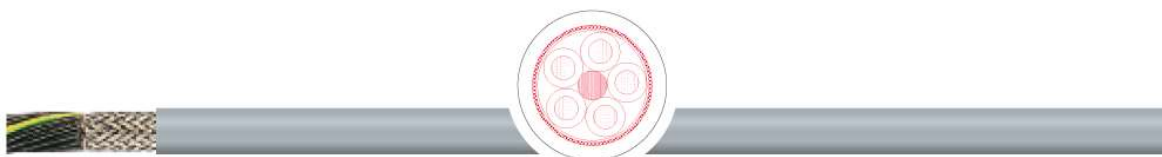
Conductor material:	Bare copper strand
Conductor class:	Super fine wires acc.to VDE 0295 cl. 6 pt. 4 resp. IEC60228 cl. 6 pt. 4
Core insulation:	PELON®2
Core identification:	Coloured acc. to DIN 47100
Overall stranding:	Cores twisted to pairs, pairs stranded in layers
Shield3:	Copper braid tinned, coverage approx. 85% ± 5%
Outer sheath:	PVC
Sheath colour:	Grey RAL 7001
Rated voltage:	Acc. to VDE: 300/300V; acc. to UL: 300 V
Testing voltage:	Core/core: 1.500 V; core/shield: 500 V
Conductor resistance:	At +20 °C acc. to DIN VDE 0295 cl.6 resp. IEC60228 cl.6
Insulation resistance:	At +20 °C ≥ 500 MΩ x km
Current-carrying-capacity:	Acc. to DIN VDE
Capacity:	Core/core: approx. 65 pF/m
Inductivity:	Approx. 0,6 mH/km
Min. bending radius fixed:	5 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 / +80 °C
Operat. temp. moved min/max:	-5 °C / +80 °C
Burning behavior:	Flame-retardant acc. to IEC 60332-1-2, FT1, VW1
Resistant to oil:	Acc. to DIN EN 60811-2-1 (only mineral oil)
Approvals:	UL/CSA - cURus 300V, 80°C
Speed:	Self-supporting: max. 5 m/s, gliding: max. 2,5 m/s
Acceleration:	Max. 10 m/s²

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1504982	2 X 2 X 0,25 (AWG 24)	6,3	26,00	41,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
JOB_9568882	3 X 2 X 0,25 (AWG 24)	6,6	32,00	49,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
JOB_T1504984	4 X 2 X 0,25 (AWG 24)	7,2	41,00	59,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
JOB_T1504985	6 X 2 X 0,25 (AWG 24)	8,6	53,00	81,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
JOB_T1504986	8 X 2 X 0,25 (AWG 24)	10,3	67,00	99,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
JOB_T1504987	10 X 2 X 0,25 (AWG 24)	11,7	87,00	122,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
JOB_T1504988	14 X 2 X 0,25 (AWG 24)	11,9	110,00	151,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA

KAWEFLEX® 6510 SK-TP-C-PVC UL/CSA

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1504989	2 X 2 X 0,34 (AWG 22)	6,7	31,00	57,00	grey	V0: KAWEFLEX 6510 SK-TP- C-PVC UL/CSA
JOB_T1504990	3 X 2 X 0,34 (AWG 22)	7,0	41,00	64,00	grey	V0: KAWEFLEX 6510 SK-TP- C-PVC UL/CSA
JOB_T1504991	4 X 2 X 0,34 (AWG 22)	7,7	50,00	73,00	grey	V0: KAWEFLEX 6510 SK-TP- C-PVC UL/CSA
JOB_T1504992	6 X 2 X 0,34 (AWG 22)	9,3	77,00	110,00	grey	V0: KAWEFLEX 6510 SK-TP- C-PVC UL/CSA
JOB_T1504993	8 X 2 X 0,34 (AWG 22)	10,9	96,00	129,00	grey	V0: KAWEFLEX 6510 SK-TP- C-PVC UL/CSA
JOB_T1504994	10 X 2 X 0,34 (AWG 22)	12,5	113,00	158,00	grey	V0: KAWEFLEX 6510 SK-TP- C-PVC UL/CSA
JOB_T1504995	2 X 2 X 0,5 (AWG 21)	7,3	42,00	58,00	grey	V0: KAWEFLEX 6510 SK-TP- C-PVC UL/CSA
JOB_T1504996	3 X 2 X 0,5 (AWG 21)	7,7	55,00	72,00	grey	V0: KAWEFLEX 6510 SK-TP- C-PVC UL/CSA
JOB_9567504	4 X 2 X 0,5 (AWG 21)	8,6	67,00	88,00	grey	V0: KAWEFLEX 6510 SK-TP- C-PVC UL/CSA
JOB_T1504998	6 X 2 X 0,5 (AWG 21)	10,3	99,00	119,00	grey	V0: KAWEFLEX 6510 SK-TP- C-PVC UL/CSA
JOB_T1504999	8 X 2 X 0,5 (AWG 21)	12,2	127,00	161,00	grey	V0: KAWEFLEX 6510 SK-TP- C-PVC UL/CSA
JOB_T1505000	10 X 2 X 0,5 (AWG 21)	14,2	152,00	190,00	grey	V0: KAWEFLEX 6510 SK-TP- C-PVC UL/CSA
JOB_T1505001	14 X 2 X 0,5 (AWG 21)	14,4	197,00	249,00	grey	V0: KAWEFLEX 6510 SK-TP- C-PVC UL/CSA



USE OF CABLE

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



SPECIAL FEATURES

- UL/CSA approved
- 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
- recommended for EMC-compatible applications
- due to 600 V UL/CSA approval parallel laying with other 600 V cables is permitted

REMARKS

- conform to RoHS and 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 wight; up from production date January 2020

PRODUCT INFORMATION

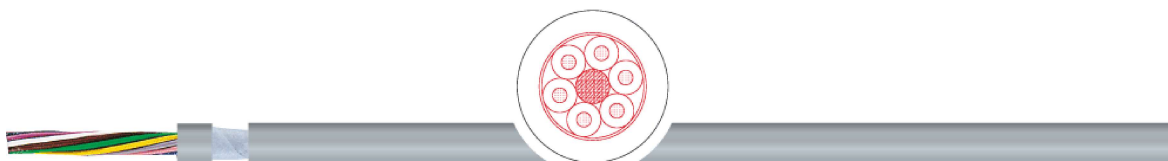
Conductor material:	Bare copper strand
Conductor class:	Acc. to DIN VDE 0295 class 6 pt. 4 resp. IEC 60228 cl. 6 pt. 4
Core insulation:	PVC
Core identification:	Acc. to DIN VDE 0293 black wires with white numerals, 1 x GNYE
Overall stranding:	Cores stranded in layers
Shield3:	Copper braid tinned, coverage approx. 85%
Outer sheath:	PVC
Sheath colour:	Grey RAL 7001
Rated voltage:	Acc. to IEC: 300/500 V; acc. to UL: 600 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 < 10m TL 10 x d $\geq 10\text{m TL}$
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. 5 m/s, gliding: max. 2,5 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
JOB_T1504763	2 X 0,5 (AWG 21)	5,6	27,00	56,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504764	3 G 0,5 (AWG 21)	6,0	32,00	73,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504765	4 G 0,5 (AWG 21)	6,4	42,00	83,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504766	5 G 0,5 (AWG 21)	7,0	47,00	93,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504767	7 G 0,5 (AWG 21)	8,5	62,00	129,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504768	12 G 0,5 (AWG 21)	9,6	92,00	193,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504769	18 G 0,5 (AWG 21)	11,5	132,00	275,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1504770	25 G 0,5 (AWG 21)	13,7	191,00	358,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504771	36 G 0,5 (AWG 21)	16,2	224,00	449,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504772	2 X 0,75 (AWG 19)	6,0	32,00	73,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504773	3 G 0,75 (AWG 19)	6,4	45,00	83,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504774	4 G 0,75 (AWG 19)	6,9	52,00	96,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504775	5 G 0,75 (AWG 19)	7,6	65,00	122,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504776	7 G 0,75 (AWG 19)	9,0	85,00	177,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504777	12 G 0,75 (AWG 19)	10,4	126,00	234,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504778	18 G 0,75 (AWG19)	12,5	181,00	336,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504779	25 G 0,75 (AWG19)	14,9	261,00	441,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504780	36 G 0,75 (AWG19)	17,0	315,00	592,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504781	42 G 0,75 (AWG19)	18,5	362,00	691,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504782	2 X 1 (AWG 18)	6,3	42,00	80,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504783	3 G 1 (AWG 18)	6,8	52,00	93,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504784	4 G 1 (AWG 18)	7,2	62,00	122,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504785	5 G 1 (AWG 18)	8,0	77,00	139,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504786	7 G 1 (AWG 18)	9,6	101,00	206,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504787	12 G 1 (AWG 18)	11,3	161,00	291,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504788	18 G 1 (AWG 18)	13,7	244,00	414,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504789	25 G 1 (AWG 18)	16,1	321,00	542,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504790	2 X 1,5 (AWG 16)	6,9	52,00	92,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504791	3 G 1,5 (AWG 16)	7,4	72,00	123,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504792	4 G 1,5 (AWG 16)	8,0	87,00	144,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504793	5 G 1,5 (AWG 16)	9,0	107,00	193,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504794	7 G 1,5 (AWG 16)	10,6	141,00	247,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504795	12 G 1,5 (AWG 16)	12,5	224,00	355,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504796	18 G 1,5 (AWG 16)	15,4	340,00	534,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504797	25 G 1,5 (AWG 16)	18,2	461,00	699,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504798	36 G 1,5 (AWG 16)	21,1	588,00	941,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504799	42 G 1,5 (AWG 16)	22,8	679,00	1099,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504800	3 G 2,5 (AWG 14)	8,9	106,00	169,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504801	4 G 2,5 (AWG 14)	9,6	131,00	231,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504802	5 G 2,5 (AWG 14)	10,9	160,00	287,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504803	7 G 2,5 (AWG 14)	13,3	219,00	386,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504804	12 G 2,5 (AWG 14)	15,7	339,00	479,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504805	4 G 4 (AWG 12)	11,3	199,00	320,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504806	5 G 4 (AWG 12)	12,7	244,00	381,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504807	4 G 6 (AWG 10)	13,8	301,00	437,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504808	5 G 6 (AWG 10)	15,7	369,00	537,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA
JOB_T1504809	4 G 10 (AWG 8)	17,7	475,00	706,00	grey	V0: KAWEFLEX 6210 SK-C-PVC UL/CSA

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1504810	4 G 16 (AWG 6)	21,1	726,00	1012,00	grey	V0: KAWEFLEX 6210 SK- C-PVC UL/CSA



USE OF CABLE

electronic drag chain cable for data and signal transmission for normal requirements in drag chains and moving drive systems.



SPECIAL FEATURES

- UL/CSA approved, conform to DESINA
- low adhesion, silicone-free
- flame-retardant acc. to IEC 60332-1-2, FT1, VW1
- oilresistant acc. to DIN EN 60811-404 (only mineral oil)
- largely resistant to grease, coolant fluids and lubricants

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.

PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Super fine wires acc.to VDE 0295 cl. 6 pt. 4 resp. IEC60228 cl. 6 pt. 4
Core insulation:	PELON®2
Core identification:	Coloured acc. to DIN 47100
Overall stranding:	Cores stranded in layers
Outer sheath:	PVC
Sheath colour:	Grey RAL 7001
Rated voltage:	Acc. to VDE: 300/300V; acc. to UL: 300 V
Testing voltage:	Core/core: 1.500 V
Conductor resistance:	At +20 °C acc. to DIN VDE 0295 cl.6 resp. IEC60228 cl.6
Insulation resistance:	At +20 °C $\geq 500 \text{ M}\Omega \times \text{km}$
Current-carrying-capacity:	Acc. to DIN VDE
Capacity:	Core/core: approx. 55 pF/m
Inductivity:	Approx. 0,6 mH/km
Min. bending radius fixed:	5 x d
Min. bending radius moved:	7,5 x d < 10m TL; 10 x d $\geq$ 10m TL
Operat. temp. fixed min/max:	-40 °C / +80 °C
Operat. temp. moved min/max:	-5 °C / +80 °C
Burning behavior:	Flame-retardant acc. to IEC 60332-1-2, FT1, VW1
Resistant to oil:	Acc. to DIN EN 60811-2-1 (only mineral oil)
Approvals:	UL/CSA - cURus 300V, 80°C
Speed:	Self-supporting: max. 5 m/s, gliding max. 2,5 m/s
Acceleration:	Max. 10 m/s²

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1504874	2 X 0,14 (AWG 26)	4,0	2,90	15,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_T1504875	3 X 0,14 (AWG 26)	4,1	4,40	18,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_T1504876	4 X 0,14 (AWG 26)	4,4	5,80	21,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_T1504877	5 X 0,14 (AWG 26)	4,7	7,20	25,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_T1504878	7 X 0,14 (AWG 26)	5,3	10,20	35,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_T1504879	10 X 0,14 (AWG 26)	6,4	14,50	48,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_T1504880	14 X 0,14 (AWG 26)	6,6	20,60	60,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_9568569	18 X 0,14 (AWG 26)	7,2	26,50	74,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1504882	25 X 0,14 (AWG 26)	8,8	37,10	106,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_T1504883	2 X 0,25 (AWG 24)	4,3	5,10	20,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_T1504884	3 X 0,25 (AWG 24)	4,5	7,50	25,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_T1504885	4 X 0,25 (AWG 24)	4,8	10,00	31,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_T1504886	5 X 0,25 (AWG 24)	5,1	12,50	37,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_T1504887	7 X 0,25 (AWG 24)	5,8	17,80	53,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_T1504888	10 X 0,25 (AWG 24)	7,1	25,60	75,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_T1504889	14 X 0,25 (AWG 24)	7,3	35,80	91,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_T1504890	18 X 0,25 (AWG 24)	8,0	46,20	115,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_T1504891	25 X 0,25 (AWG 24)	9,9	64,50	165,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_T1504892	2 X 0,34 (AWG 22)	4,5	6,80	29,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_T1504893	3 X 0,34 (AWG 22)	4,7	10,20	33,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_T1504894	4 X 0,34 (AWG 22)	5,0	13,60	36,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_T1504895	5 X 0,34 (AWG 22)	5,4	17,00	43,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_T1504896	7 X 0,34 (AWG 22)	6,2	23,80	62,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_T1504897	10 X 0,34 (AWG 22)	7,6	34,00	88,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_T1504898	14 X 0,34 (AWG 22)	7,8	47,60	108,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_T1504899	18 X 0,34 (AWG 22)	8,8	61,20	136,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA
JOB_9567988	25 X 0,34 (AWG 22)	10,6	88,00	195,00	grey	V0: KAWEFLEX 6310 SK-PVC UL/CSA



USE OF CABLE

shielded electronic drag chain cable for data and signal transmission for normal requirements in drag chains and moving drive systems.



SPECIAL FEATURES

- flame-retardant, low adhesion and self-extinguishing
- UL/CSA approval
- largely resistant to grease, coolant fluids and lubricants
- oil-resistant acc. to DIN EN 60811-404 (only mineral oil)

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- very long lifetime, optimal cost-value ratio
- recommended for EMC-applications

PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Super fine wires acc.to VDE 0295 cl. 6 pt. 4 resp. IEC60228 cl. 6 pt. 4
Core insulation:	PELON®2
Core identification:	Coloured acc. to DIN 47100
Overall stranding:	Cores stranded in layers with filler
Shield3:	Copper braid tinned, coverage approx. 85% ± 5%
Outer sheath:	PVC
Sheath colour:	Grey RAL 7001
Outer diameter:	4,8 +/- 0,2 mm
Rated voltage:	Acc. to VDE: 300/300V; acc. to UL: 300 V
Testing voltage:	Core/core: 1.500 V; core/shield: 500 V
Conductor resistance:	At +20 °C acc. to DIN VDE 0295 cl.6 resp. IEC60228 cl.6
Insulation resistance:	At +20 °C ≥ 500 MΩ x km
Current-carrying-capacity:	Acc. to DIN VDE
Capacity:	Core/core: approx. 65 pF/m
Inductivity:	Approx. 0,6 mH/km
Min. bending radius fixed:	5 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 / +80 °C
Operat. temp. moved min/max:	-5 °C / +80 °C
Burning behavior:	Flame-retardant acc. to IEC 60332-1-2, FT1
Resistant to oil:	Acc. to DIN EN 60811-2-1 (only mineral oil)
Approvals:	UL/CSA - cURus 300V, 80°C
Speed:	Self-supporting: max. 5 m/s, gliding: max. 2,5 m/s
Acceleration:	Max. 10 m/s²

ITEM OVERVIEW

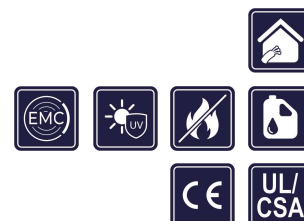
Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1504928	2 X 0,14 (AWG 26)	4,5	12,00	21,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
JOB_T1504929	3 X 0,14 (AWG 26)	4,7	13,00	24,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
JOB_T1504930	4 X 0,14 (AWG 26)	4,9	14,00	26,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
JOB_T1504931	5 X 0,14 (AWG 26)	5,2	17,00	31,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
JOB_T1504932	7 X 0,14 (AWG 26)	5,8	21,00	39,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
JOB_T1504933	10 X 0,14 (AWG 26)	6,9	29,00	56,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
JOB_T1504934	14 X 0,14 (AWG 26)	7,2	38,00	62,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1504935	18 X 0,14 (AWG 26)	7,8	46,00	76,00	grey	V0: KAWEFLEX 6410 SK- C-PVC UL/CSA
JOB_T1504936	25 X 0,14 (AWG 26)	9,5	63,00	106,00	grey	V0: KAWEFLEX 6410 SK- C-PVC UL/CSA
JOB_T1504937	2 X 0,25 (AWG 24)	4,8	14,00	24,00	grey	V0: KAWEFLEX 6410 SK- C-PVC UL/CSA
JOB_T1504938	3 X 0,25 (AWG 24)	5,0	16,00	30,00	grey	V0: KAWEFLEX 6410 SK- C-PVC UL/CSA
JOB_T1504939	4 X 0,25 (AWG 24)	5,3	20,00	35,00	grey	V0: KAWEFLEX 6410 SK- C-PVC UL/CSA
JOB_T1504940	5 X 0,25 (AWG 24)	5,6	24,00	41,00	grey	V0: KAWEFLEX 6410 SK- C-PVC UL/CSA
JOB_T1504941	7 X 0,25 (AWG 24)	6,4	30,00	52,00	grey	V0: KAWEFLEX 6410 SK- C-PVC UL/CSA
JOB_T1504942	10 X 0,25 (AWG 24)	7,7	46,00	79,00	grey	V0: KAWEFLEX 6410 SK- C-PVC UL/CSA
JOB_T1504943	14 X 0,25 (AWG 24)	8,0	56,00	91,00	grey	V0: KAWEFLEX 6410 SK- C-PVC UL/CSA
JOB_T1504944	18 X 0,25 (AWG 24)	8,8	71,00	119,00	grey	V0: KAWEFLEX 6410 SK- C-PVC UL/CSA
JOB_T1504945	25 X 0,25 (AWG 24)	10,5	95,00	160,00	grey	V0: KAWEFLEX 6410 SK- C-PVC UL/CSA
JOB_T1504946	2 X 0,34 (AWG 22)	5,1	16,00	29,00	grey	V0: KAWEFLEX 6410 SK- C-PVC UL/CSA
JOB_T1504947	3 X 0,34 (AWG 22)	5,4	20,00	34,00	grey	V0: KAWEFLEX 6410 SK- C-PVC UL/CSA
JOB_T1504948	4 X 0,34 (AWG 22)	5,7	24,00	40,00	grey	V0: KAWEFLEX 6410 SK- C-PVC UL/CSA
JOB_T1504949	5 X 0,34 (AWG 22)	6,0	30,00	49,00	grey	V0: KAWEFLEX 6410 SK- C-PVC UL/CSA
JOB_T1504950	7 X 0,34 (AWG 22)	7,1	38,00	58,00	grey	V0: KAWEFLEX 6410 SK- C-PVC UL/CSA
JOB_T1504951	10 X 0,34 (AWG 22)	8,6	59,00	101,00	grey	V0: KAWEFLEX 6410 SK- C-PVC UL/CSA
JOB_T1504952	14 X 0,34 (AWG 22)	8,7	73,00	115,00	grey	V0: KAWEFLEX 6410 SK- C-PVC UL/CSA
JOB_T1504953	18 X 0,34 (AWG 22)	9,6	90,00	146,00	grey	V0: KAWEFLEX 6410 SK- C-PVC UL/CSA
JOB_T1504954	25 X 0,34 (AWG 22)	11,7	121,00	196,00	grey	V0: KAWEFLEX 6410 SK- C-PVC UL/CSA



USE OF CABLE

as shielded, low capacity feedback, encoder, resolver, speed sensor, signal & system cables for EMC compatible connecting in machine and plant engineering, as well as in drive and control technology, for normal electrical and light to medium mechanical requirements.



SPECIAL FEATURES

- DESINA-conform (jacket colour green RAL 6018)
- cURus approved 300V, 80°C
- flame-retardant, IEC 60332-1-2, F1, VW-1
- largely resistant to, grease, coolant fluids and lubricants
- resistant to oil, IEC 60811-404, (VDE 0473-811-404, only mineral oil)
- low adhesion, silicone-free, space- and weight-saving

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- optimal cost-value ratio
- 2-pairs dimensions stranded as star quad

PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Acc. to DIN VDE0295 cl.5 resp. IEC60228 cl.5
Core insulation:	PELON®2
Core identification:	Acc. to system specification (on request)
Stranding:	Cores twisted to pairs or in layers
Shield:	Elements: D: tinned spiral copper shield, resp. C: tinned copper braid, opt. coverage appr. 85 %
Element sheath material:	TPE - black (if mentioned 12Y)
Overall stranding:	Elements stranded together
Shield3:	Copper braids, tinned, opt. coverage appr. 85 %
Outer sheath:	PVC
Sheath colour:	GN - RAL 6018 (DESINA), OR - RAL 2003 or BK - RAL 9005
Rated voltage:	300 V, no high-voltage purpose
Testing voltage:	500 V
Conductor resistance:	Acc. to DIN VDE 0295 class 5 resp. IEC 60228 cl. 5
Insulation resistance:	Min. 20 MΩ x km
Min. bending radius fixed:	5 x d
Min. bending radius moved:	15 x d
Operat. temp. fixed min/max:	- 30 °C / +80 °C
Operat. temp. moved min/max:	- 5 °C / +80 °C
Burning behavior:	Flame-retardant acc. to IEC 60332-1-2, FT1, VW-1
Approvals:	UL/CSA: cURus 300V, 80°C
Speed:	Self supporting - max. 0,5 m/s
Acceleration:	Max. 2 m/s²

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer- Ø [mm]	Cu- Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1505189	(4 X 2 X 0,34 +4X0,5)C	8,9	77,00	136,00	green	V1: KAWEFLEX 5468 C-PVC UL/CSA - Siemens Standard MC 500
JOB_T1505250	(3 X (2 X 0,14)D12Y +2X(0,5)D12Y)C	8,5	69,00	115,00	green	V1: KAWEFLEX 5468 C-PVC UL/CSA - Siemens Standard MC 500
JOB_T1505190	(3 X (2 X 0,14)D12Y +4X0,14 +2X0,5)C	8,9	66,00	125,00	green	V1: KAWEFLEX 5468 C-PVC UL/CSA - Siemens Standard MC 500
JOB_T1505191	(3X(2X0,14)D12Y +4X0,14 +4X0,25 +2X0,5)C	9,4	86,00	147,00	green	V1: KAWEFLEX 5468 C-PVC UL/CSA - Siemens Standard MC 500

Product No.	Dimension [n x mm²]	Outer- Ø [mm]	Cu- Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1505192	(4 X 2 X 0,25 + 2 X 0,5)C	8,4	61,00	113,00	orange	V2: KAWEFLEX 5468 C-PVC UL/CSA - Bosch Rexroth Standard
JOB_T1505193	(4 X 2 X 0,25 + 2 X 1)C	8,8	66,00	127,00	orange	V2: KAWEFLEX 5468 C-PVC UL/CSA - Bosch Rexroth Standard
JOB_T1505194	(4 X 1 + 4 X 2 X 0,14 + (4 X 0,14)D)C	9,7	90,00	155,00	orange	V2: KAWEFLEX 5468 C-PVC UL/CSA - Bosch Rexroth Standard
JOB_T1505195	3 X (2 X 0,14)C + (2 X 0,5)C	9,3	49,00	135,00	black	V3: KAWEFLEX 5468 C-PVC UL/CSA - Lenze Standard
JOB_T1505196	4 X (2 X 0,14)C + (2 X 1)C	11,0	73,00	180,00	black	V3: KAWEFLEX 5468 C-PVC UL/CSA - Lenze Standard
JOB_T1505197	3 X (2 X 0,14)C + (3 X 0,14)C	9,2	43,00	120,00	black	V3: KAWEFLEX 5468 C-PVC UL/CSA - Lenze Standard
JOB_T1505198	(5 X 2 X 0,25)C	7,3	47,00	91,00	green	V4: KAWEFLEX 5468 C-PVC UL/CSA - SEW Standard
JOB_T1505199	(6 X 2 X 0,25)C	8,6	52,00	116,00	green	V4: KAWEFLEX 5468 C-PVC UL/CSA - SEW Standard



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