



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/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
1504955	2 X 0,14 (AWG 26)	4,5	12,00	23,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504956	3 X 0,14 (AWG 26)	4,7	13,00	25,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504957	4 X 0,14 (AWG 26)	4,9	14,00	28,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504958	5 X 0,14 (AWG 26)	5,2	17,00	33,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1505706	6 X 0,14 (AWG 26)	5,50	19,00	36,00	grey	V2: KAWEFLEX 6430 SK-C-PUR UL/CSA

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
1504959	7 X 0,14 (AWG 26)	5,8	21,00	41,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504960	10 X 0,14 (AWG 26)	6,9	29,00	58,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504961	14 X 0,14 (AWG 26)	7,2	38,00	64,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504962	18 X 0,14 (AWG 26)	7,8	46,00	78,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504963	25 X 0,14 (AWG 26)	9,5	63,00	108,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504964	2 X 0,25 (AWG 24)	4,8	14,00	26,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504965	3 X 0,25 (AWG 24)	5,0	16,00	32,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504966	4 X 0,25 (AWG 24)	5,3	20,00	37,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504967	5 X 0,25 (AWG 24)	5,6	24,00	43,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504968	7 X 0,25 (AWG 24)	6,4	30,00	54,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504969	10 X 0,25 (AWG 24)	7,7	46,00	81,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504970	14 X 0,25 (AWG 24)	8,0	56,00	93,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504971	18 X 0,25 (AWG 24)	8,8	71,00	124,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504972	25 X 0,25 (AWG 24)	10,5	95,00	165,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504973	2 X 0,34 (AWG 22)	5,1	16,00	31,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504974	3 X 0,34 (AWG 22)	5,4	20,00	37,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504975	4 X 0,34 (AWG 22)	5,7	24,00	42,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504976	5 X 0,34 (AWG 22)	6,0	30,00	51,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504977	7 X 0,34 (AWG 22)	7,1	38,00	60,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504978	10 X 0,34 (AWG 22)	8,6	59,00	104,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504979	14 X 0,34 (AWG 22)	8,7	73,00	118,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504980	18 X 0,34 (AWG 22)	9,6	90,00	150,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA
1504981	25 X 0,34 (AWG 22)	11,7	121,00	205,00	grey	V0: KAWEFLEX 6430 SK-C-PUR UL/CSA