



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
1504928	2 X 0,14 (AWG 26)	4,5	12,00	21,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504929	3 X 0,14 (AWG 26)	4,7	13,00	24,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504930	4 X 0,14 (AWG 26)	4,9	14,00	26,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504931	5 X 0,14 (AWG 26)	5,2	17,00	31,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504932	7 X 0,14 (AWG 26)	5,8	21,00	39,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504933	10 X 0,14 (AWG 26)	6,9	29,00	56,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504934	14 X 0,14 (AWG 26)	7,2	38,00	62,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504935	18 X 0,14 (AWG 26)	7,8	46,00	76,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504936	25 X 0,14 (AWG 26)	9,5	63,00	106,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504937	2 X 0,25 (AWG 24)	4,8	14,00	24,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504938	3 X 0,25 (AWG 24)	5,0	16,00	30,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA

KAWEFLEX® 6410 SK-C-PVC UL/CSA

Product No.	Dimension [n x mm ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1504939	4 X 0,25 (AWG 24)	5,3	20,00	35,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504940	5 X 0,25 (AWG 24)	5,6	24,00	41,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504941	7 X 0,25 (AWG 24)	6,4	30,00	52,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504942	10 X 0,25 (AWG 24)	7,7	46,00	79,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504943	14 X 0,25 (AWG 24)	8,0	56,00	91,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504944	18 X 0,25 (AWG 24)	8,8	71,00	119,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504945	25 X 0,25 (AWG 24)	10,5	95,00	160,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504946	2 X 0,34 (AWG 22)	5,1	16,00	29,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504947	3 X 0,34 (AWG 22)	5,4	20,00	34,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504948	4 X 0,34 (AWG 22)	5,7	24,00	40,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504949	5 X 0,34 (AWG 22)	6,0	30,00	49,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504950	7 X 0,34 (AWG 22)	7,1	38,00	58,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504951	10 X 0,34 (AWG 22)	8,6	59,00	101,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504952	14 X 0,34 (AWG 22)	8,7	73,00	115,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504953	18 X 0,34 (AWG 22)	9,6	90,00	146,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA
1504954	25 X 0,34 (AWG 22)	11,7	121,00	196,00	grey	V0: KAWEFLEX 6410 SK-C-PVC UL/CSA