



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
1504982	2 X 2 X 0,25 (AWG 24)	6,3	26,00	41,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
1504983	3 X 2 X 0,25 (AWG 24)	6,6	32,00	49,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
1504984	4 X 2 X 0,25 (AWG 24)	7,2	41,00	59,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
1504985	6 X 2 X 0,25 (AWG 24)	8,6	53,00	81,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
1504986	8 X 2 X 0,25 (AWG 24)	10,3	67,00	99,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
1504987	10 X 2 X 0,25 (AWG 24)	11,7	87,00	122,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
1504988	14 X 2 X 0,25 (AWG 24)	11,9	110,00	151,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
1504989	2 X 2 X 0,34 (AWG 22)	6,7	31,00	57,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
1504990	3 X 2 X 0,34 (AWG 22)	7,0	41,00	64,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
1504991	4 X 2 X 0,34 (AWG 22)	7,7	50,00	73,00	grey	V0: 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
1504992	6 X 2 X 0,34 (AWG 22)	9,3	77,00	110,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
1504993	8 X 2 X 0,34 (AWG 22)	10,9	96,00	129,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
1504994	10 X 2 X 0,34 (AWG 22)	12,5	113,00	158,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
1504995	2 X 2 X 0,5 (AWG 21)	7,3	42,00	58,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
1504996	3 X 2 X 0,5 (AWG 21)	7,7	55,00	72,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
1504997	4 X 2 X 0,5 (AWG 21)	8,6	67,00	88,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
1504998	6 X 2 X 0,5 (AWG 21)	10,3	99,00	119,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
1504999	8 X 2 X 0,5 (AWG 21)	12,2	127,00	161,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
1505000	10 X 2 X 0,5 (AWG 21)	14,2	152,00	190,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA
1505001	14 X 2 X 0,5 (AWG 21)	14,4	197,00	249,00	grey	V0: KAWEFLEX 6510 SK-TP-C-PVC UL/CSA