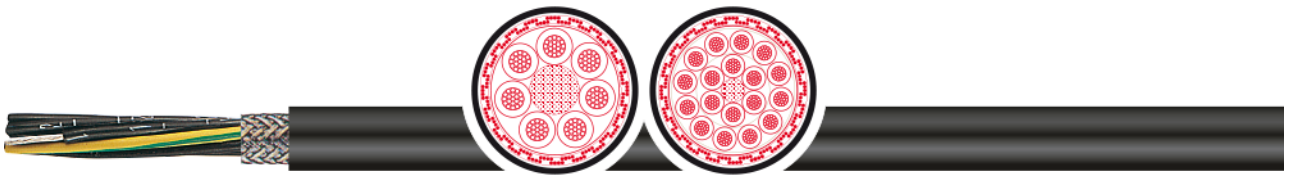
KAWEFLEX® 6210 TRAY SK-C-PVC UL/CSA



USE OF CABLE

as shielded highly flexible connection and control cable for high electrical and normal mechanical requirements in cable drag chains and motion drive systems in machine and plant construction.

TC-ER and MTW approvals enable open wiring on cable trays as well as the usage for industrial machines with only one cable

SPECIAL FEATURES

- UL/CSA approval
- low adhesion, silicone-free
- increased oil-resistant special PVC outer sheath, largely resistant to greases, coolants and lubricants acids and alkalis - oil-resistant according to UL OIL RES I
- water resistant according to UL wet approval 75°C
- Flame retardant acc. to IEC 60332-1-2, CSA FT4, UL Vertical Tray Flame Test
- UV-resistant
- recommended for EMC-applications

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- acc. to NFPA 79 and NEC "National Electrical Code" Art. 336, 392, 501

PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Acc. to IEC 60228 cl. 6
Core insulation:	PVC
Core identification:	Acc. to DIN VDE 0293 black cores with white numerals; G = GNYE
Overall stranding:	Cores stranded in layers
Shield3:	Copper braid tinned; coverage ca. 85 %
Outer sheath:	PVC
Sheath colour:	Black RAL 9005
Rated voltage:	IEC: 300/500 V; UL/CSA: 600V (TC, MTW, CIC), 1.000V (WTTC, AWM)
Testing voltage:	6 kV
Conductor resistance:	At +20 °C acc. to IEC 60228 cl. 6
Insulation resistance:	At +20 °C ≥ 20 MΩ x 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 ≥ 10m 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, IEC 60332-3A, UL: Vertical-Tray Flame Test, CSA; FT4
Resistant to oil:	UL 1277 and UL 1063 (oil-resistant acc. to UL OIL RES I and water-resistant, UL wet approval 75 °C)
Standard:	UL 1277, UL 1063 (MTW), NEC 336.10 (7) class1, Div. 2 acc. NEC Art. 336, 392, 501
Approvals:	UL/CSA - cULus & cURus 1.000V, 90°C (AWM, WTTC) and cULus & cURus 600V, 90°C (TC-ER, MTW, CIC)
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
1500439	2 X 1 (AWG 18)	8,6	48,00	103,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500440	3 G 1 (AWG 18)	9,2	60,00	121,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500449	4 G 1 (AWG 18)	9,9	74,00	148,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500452	5 G 1 (AWG 18)	10,9	89,00	176,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500454	7 G 1 (AWG 18)	12,9	115,00	230,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500460	12 G 1 (AWG 18)	15,9	198,00	380,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500461	18 G 1 (AWG 18)	18,4	267,00	513,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500464	25 G 1 (AWG 18)	22,7	356,00	676,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500481	2 X 1,5 (AWG 16)	9,2	59,00	119,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA

KAWEFLEX® 6210 TRAY 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
1500485	3 G 1,5 (AWG 16)	9,9	78,00	147,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500488	4 G 1,5 (AWG 16)	10,6	98,00	182,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500490	5 G 1,5 (AWG 16)	11,8	119,00	214,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500491	7 G 1,5 (AWG 16)	14,9	172,00	300,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500493	12 G 1,5 (AWG 16)	17,2	265,00	467,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500494	18 G 1,5 (AWG 16)	20,0	361,00	636,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500496	25 G 1,5 (AWG 16)	24,5	494,00	908,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500497	2 X 2,5 (AWG 14)	10,0	84,00	149,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500501	3 G 2,5 (AWG 14)	10,8	112,00	189,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500503	4 G 2,5 (AWG 14)	11,6	142,00	235,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500507	5 G 2,5 (AWG 14)	12,9	168,00	273,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500509	7 G 2,5 (AWG 14)	16,3	251,00	421,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500521	4 G 4 (AWG 12)	14,0	225,00	335,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500522	5 G 4 (AWG 12)	15,7	264,00	417,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500523	4 G 6 (AWG 10)	15,8	311,00	470,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500524	5 G 6 (AWG 10)	17,6	379,00	557,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500526	4 G 10 (AWG 8)	20,1	486,00	736,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500529	5 G 10 (AWG 8)	23,5	602,00	941,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500530	4 G 16 (AWG 6)	25,6	746,00	1169,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500531	5 G 16 (AWG 6)	28,7	920,00	1402,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500532	4 G 25 (AWG 4)	28,5	1111,00	1580,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA
1500533	4 G 35 (AWG 2)	33,2	1564,00	2167,00	black	V0: KAWEFLEX 6210 TRAY SK-C-PVC UL/CSA