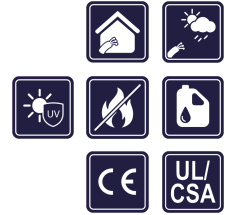




USE OF CABLE

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/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
1505604	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
1505605	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
1505606	1 G 4 (AWG 12)	5,2	38,40	60,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
1505607	1 G 6 (AWG 10)	6,1	58,00	86,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
1505608	1 G 10 (AWG 8)	7,7	96,00	140,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
1505609	1 G 16 (AWG 6)	9,0	154,00	207,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
1505610	1 G 25 (AWG 4)	10,8	240,00	310,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
1505611	1 G 35 (AWG 2)	12,8	336,00	437,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
1505612	1 G 50 (AWG 1)	15,3	480,00	625,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
1505613	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
1505614	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

KAWEFLEX® 5178 SC SK-PVC 0,6/1kV ..UL/CSA

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1505615	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
1505616	1 G 150 (250 MCM)	22,9	1440,00	1656,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
1505617	1 G 185 (350 MCM)	25,5	1776,00	2064,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
1505618	1 G 240 (450 MCM)	29,4	2304,00	2693,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
1505619	1 G 300 (550 MCM)	31,6	2880,00	3277,00	black	V1: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
1505620	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
1505621	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
1505622	1 X 4 (AWG 12)	5,2	38,40	79,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
1505623	1 X 6 (AWG 10)	6,1	58,00	104,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
1505624	1 X 10 (AWG 8)	7,7	96,00	165,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
1505625	1 X 16 (AWG 6)	9,0	154,00	251,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
1505626	1 X 25 (AWG 4)	10,8	240,00	345,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
1505627	1 X 35 (AWG 2)	12,8	336,00	478,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
1505628	1 X 50 (AWG 1)	15,3	480,00	697,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
1505629	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
1505630	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
1505631	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
1505632	1 X 150 (250 MCM)	22,9	1440,00	1774,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
1505633	1 X 185 (350 MCM)	25,5	1776,00	2136,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
1505634	1 X 240 (450 MCM)	29,4	2304,00	2907,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA
1505635	1 X 300 (550 MCM)	31,6	2880,00	3630,00	black	V2: KAWEFLEX 5178 SC SK-PVC 0,6/1 KV UL/CSA