



USE OF CABLE

power, control and connecting cable for drive systems with frequency converter technology, for fixed laying and casually movement without tensile stress and without defined cable routing. Suitable for use in dry, humid and wet rooms.

Versions with black outer sheath (DB - direct burial) are additionally suitable for outdoor use and for direct burial.



SPECIAL FEATURES

- largely resistant to acids, bases and specified types of oil
- max. perm. current carrying capacity at 30 °C ambient temperature
- low operating capacity, low coupling resistance
- black version: UV-resistant, cold flexible, outdoor and direct burial use PVC outer jacket
- enables trouble-free operation of frequency converters through optimum EMC compliant shielding
- low capacitance enables longer cable lengths between motor and frequency converter

REMARKS

- conform to RoHS, conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- LABS-/silicone-free (during production)
- Outdoor use and direct burial installation are not covered by UL/CSA approval.
- Special versions are manufactured on request.

PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Acc. to IEC 60228 cl. 5
Core insulation:	PP
Core identification:	Acc. to DIN VDE 0293-308 coloured cores with GNYE
Stranding:	4-core version: cores stranded in one layer 3+3-core version: cores stranded concentrically, protective conductor divided into three, positioned in the crotches
Shield3:	Alu-lamin. polyester foil, metal side outside, cover. 100% under copper braid tinned
Outer sheath:	PVC
Sheath colour:	Transparent, DB-version: black
Rated voltage:	Acc. to IEC: 0,6/1 kV, acc. to UL: 1.000 V - highest permissible operating voltage Single phase and three-phase: 700/1200 V, DC operation: 900/1800 V
Testing voltage:	4 kV
Conductor resistance:	Acc. to IEC 60228 cl. 5
Insulation resistance:	Min. 200 MΩ x km
Current-carrying-capacity:	Look at the table on the right side
Capacity:	Look at the table on the right side
Min. bending radius fixed:	4 x d
Min. bending radius moved:	15 x d
Operat. temp. fixed min/max:	Transparent: -40°C / +80°C; black: IEC: -40°C / +90°C, UL/CSA: -40°C / +80°C
Operat. temp. moved min/max:	Transparent: - 5°C / +80°C; black: IEC: - 5°C / +90°C, UL/CSA: - 5°C / +80°C
Temp. at conductor:	+ 90 °C in operation; +250 °C in case of short-circuit
Burning behavior:	Self-extinguishing & flame-retardant acc.to IEC 60332-1, FT1, VW-1
Approvals:	UL/CSA - cURus 1.000V, 80°C

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1005281	4 G 1,5 (AWG 16)	8,8	88,00	128,00	transparent	V1: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV UL/CSA transparent
1005282	4 G 2,5 (AWG 14)	10,1	133,00	181,00	transparent	V1: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV UL/CSA transparent
1005283	4 G 4 (AWG 12)	11,7	213,00	253,00	transparent	V1: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV UL/CSA transparent
1005284	4 G 6 (AWG 10)	13,5	298,00	353,00	transparent	V1: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV UL/CSA transparent
1005285	4 G 10 (AWG 8)	16,5	460,00	560,00	transparent	V1: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV UL/CSA transparent
1005286	4 G 16 (AWG 6)	20,0	707,00	844,00	transparent	V1: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV UL/CSA transparent
1005287	4 G 25 (AWG 4)	24,5	1100,00	1284,00	transparent	V1: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV UL/CSA transparent

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1005288	4 G 35 (AWG 2)	27,9	1542,00	1730,00	transparent	V1: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV UL/CSA transparent
1005289	4 G 50 (AWG 1)	33,9	2206,00	2502,00	transparent	V1: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV UL/CSA transparent
1005290	4 G 70 (AWG 2/0)	39,7	3002,00	3425,00	transparent	V1: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV UL/CSA transparent
1005291	4 G 95 (AWG 3/0)	44,8	4004,00	4539,00	transparent	V1: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV UL/CSA transparent
1005292	4 G 120 (AWG 4/0)	47,8	5108,00	5489,00	transparent	V1: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV UL/CSA transparent
1005293	4 G 150 (250 MCM)	53,3	6225,00	6851,00	transparent	V1: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV UL/CSA transparent
1005294	4 G 185 (350 MCM)	59,3	7568,00	7999,00	transparent	V1: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV UL/CSA transparent
1005295	4 G 240 (450 MCM)	68,0	9940,00	10399,00	transparent	V1: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV UL/CSA transparent
1005301	3 X 1,5 (AWG 16) + 3 G 0,25 (AWG 24)	8,7	85,00	117,00	black	V2: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV-3PLUS-UV DB UL/CSA schwarz/black
1005302	3 X 2,5 (AWG 14) + 3 G 0,5 (AWG 21)	10,1	130,00	168,00	black	V2: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV-3PLUS-UV DB UL/CSA schwarz/black
1005303	3 X 4 (AWG 12) + 3 G 0,75 (AWG 19)	11,3	224,00	228,00	black	V2: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV-3PLUS-UV DB UL/CSA schwarz/black
1005304	3 X 6 (AWG 10) + 3 G 1 (AWG 18)	12,4	276,00	302,00	black	V2: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV-3PLUS-UV DB UL/CSA schwarz/black
1005305	3 X 10 (AWG 8) + 3 G 1,5 (AWG 16)	15,2	511,00	615,00	black	V2: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV-3PLUS-UV DB UL/CSA schwarz/black
1005306	3 X 16 (AWG 6) + 3 G 2,5 (AWG 14)	18,3	751,00	819,00	black	V2: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV-3PLUS-UV DB UL/CSA schwarz/black
1005307	3 X 25 (AWG 4) + 3 G 4 (AWG 12)	22,5	1204,00	1325,00	black	V2: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV-3PLUS-UV DB UL/CSA schwarz/black
1005308	3 X 35 (AWG 2) + 3 G 6 (AWG 10)	25,5	1535,00	1718,00	black	V2: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV-3PLUS-UV DB UL/CSA schwarz/black
1005309	3 X 50 (AWG 1) + 3 G 10 (AWG 8)	30,8	2156,00	2399,00	black	V2: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV-3PLUS-UV DB UL/CSA schwarz/black
1005310	3 X 70 (AWG 2/0) + 3 G10 (AWG 8)	36,1	2980,00	3056,00	black	V2: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV-3PLUS-UV DB UL/CSA schwarz/black
1005311	3 X 95 (AWG 3/0) + 3 G 16 (AWG 6)	41,0	3953,00	4162,00	black	V2: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV-3PLUS-UV DB UL/CSA schwarz/black
1005312	3 X 120 (AWG 4/0) + 3 G 16 (AWG 6)	43,8	4836,00	5074,00	black	V2: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV-3PLUS-UV DB UL/CSA schwarz/black
1005313	3 X 150 (250 MCM) + 3 G 25 (AWG 4)	48,7	5421,00	6128,00	black	V2: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV-3PLUS-UV DB UL/CSA schwarz/black
1005314	3 X 185 (350 MCM) + 3 G 35 (AWG 2)	54,2	7077,00	7820,00	black	V2: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV-3PLUS-UV DB UL/CSA schwarz/black
1005315	3 X 240 (450 MCM) + 3 G 50 (AWG 1)	61,4	9148,00	10245,00	black	V2: KAWEFLEX SERVO 9YSL(St)CY-J 0,6/1kV EMV-3PLUS-UV DB UL/CSA schwarz/black