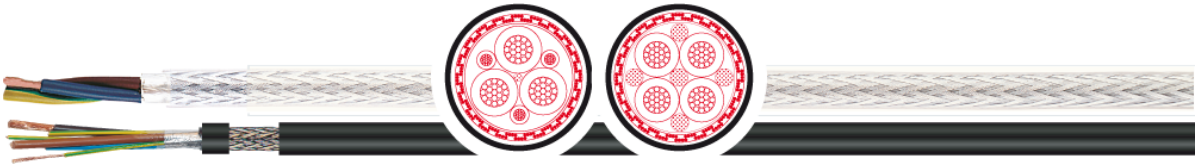
KAWEFLEX® SERVO 2XSL(St)CY... & 2XSL(St)CYK... 0,6/1 kV EMV

TKD
an INFINITE brand

0,6/1kV, EMC optimized, double shielded, K: cold flexible, UV-resistant, CPR Eca



APPLICATION

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. Outdoor use (only K-version), but no laying underground.

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 with UV-resistant, flexible at low temp. outer sheath
- enables trouble-free operation of frequency converters through optimum EMC compliant shielding
- low capacitance enables longer cable lengths between motor and frequency converter
- increased power transmission with the same conductor cross-section compared to standard 2YSL(St)CY versions

PRODUCT DETAILS

DESIGN

Conductor material	bare copper strand
Conductor class	acc. to IEC 60228 cl. 5
Core insulation	XLPE
Core identification	acc. to DIN VDE 0293-308 coloured cores with GNYE
Stranding	stranded in layers
Overall shield	alu-lamin. polyester foil, metal side outside, cover. 100% under copper braid tinned
Outer sheath material	PVC
Sheath colour	transparent; K-version: black

ELECTRICAL PROPERTIES

Rated voltage AC IEC	Uo/U 0,6/1 kV - 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

MECHANICAL & DYNAMIC PROPERTIES

Min. bending radius fixed	≤ 12mm Ø: 5 x d; ≤ 20mm Ø: 7,5 x d; > 20mm Ø: 10 x d
Min. bending radius moved	≤ 12mm Ø: 10 x d; ≤ 20mm Ø: 15 x d; > 20mm Ø: 20 x d

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THERMAL PROPERTIES

Operat. temp. fixed min./max. [°C]	-40 °C / +90 °C
Operat. temp. moved min/max [°C]	-5 °C / +90°C, K-version: -15 °C / +90°C
Temp. at conductor in operation max [°C]	+ 90 °C in operation; +250 °C in case of short-circuit

PROPERTIES IN CASE OF FIRE

Burning behavior	self-extinguishing & flame-retardant acc.to IEC 60332-1

ITEM OVERVIEW

2XSL(ST)CY-J 0,6/1KV EMV transparent

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1004896	4 G 1,5	10,9	95,0	212,0
1004897	4 G 2,5	12,0	150,0	270,0
1004898	4 G 4	13,3	238,0	362,0
1004899	4 G 6	15,2	320,0	582,0
1004900	4 G 10	18,0	533,0	794,0
1004901	4 G 16	21,4	789,0	1.188,0
1004902	4 G 25	25,9	1.236,0	1.713,0
1004903	4 G 35	29,1	1.662,0	2.402,0
1004904	4 G 50	33,8	2.345,0	2.718,0
1004905	4 G 70	38,7	3.196,0	3.636,0
1004906	4 G 95	42,9	4.316,0	4.700,0
1004907	4 G 120	49,9	5.435,0	5.699,0
1004908	4 G 150	54,2	6.394,0	7.043,0
1004909	4 G 185	60,5	7.639,0	8.384,0
1004910	4 G 240	67,1	10.013,0	11.292,0

2XSL(ST)CYK-J 0,6/1KV EMV-UV schwarz/black

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1004881	4 G 1,5	10,9	95,0	212,0
1004882	4 G 2,5	12,0	150,0	270,0
1004883	4 G 4	13,3	238,0	362,0
1004884	4 G 6	15,2	320,0	582,0
1004885	4 G 10	18,0	533,0	794,0
1004886	4 G 16	21,4	789,0	1.188,0
1004887	4 G 25	25,9	1.236,0	1.713,0
1004888	4 G 35	29,1	1.662,0	2.402,0
1004889	4 G 50	33,8	2.345,0	2.718,0
1004890	4 G 70	38,7	3.196,0	3.636,0
1004891	4 G 95	42,9	4.316,0	4.700,0
1004892	4 G 120	49,9	5.435,0	5.699,0
1004893	4 G 150	54,2	6.394,0	7.043,0
1004894	4 G 185	60,5	7.639,0	8.384,0
1004895	4 G 240	67,1	10.013,0	11.292,0

2XSL(ST)CYK-J 0,6/1KV EMV-3PLUS-UV schwarz/black

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1004879	3 X 1,5 + 3 G 0,25	10,2	91,0	144,0
1000978	3 X 2,5 + 3 G 0,5	11,2	152,0	264,0
1000980	3 X 4 + 3 G 0,75	12,3	224,0	333,0
1000981	3 X 6 + 3 G 1	14,4	298,0	429,0
1000983	3 X 10 + 3 G 1,5	16,8	491,0	615,0
1000984	3 X 16 + 3 G 2,5	19,7	723,0	835,0
1000990	3 X 25 + 3 G 4	24,0	1.138,0	1.404,0
1000992	3 X 35 + 3 G 6	27,3	1.535,0	1.813,0
1000993	3 X 50 + 3 G 10	30,9	2.208,0	2.501,0
1000994	3 X 70 + 3 G 10	34,5	2.871,0	3.112,0
1000995	3 X 95 + 3 G 16	38,9	3.953,0	4.492,0
1000996	3 X 120 + 3 G 16	44,5	4.836,0	5.301,0
1000997	3 X 150 + 3 G 25	48,9	5.421,0	6.097,0
1001004	3 X 185 + 3 G 35	53,5	7.041,0	7.597,0
1004880	3 X 240 + 3 G 50	61,0	9.148,0	9.875,0