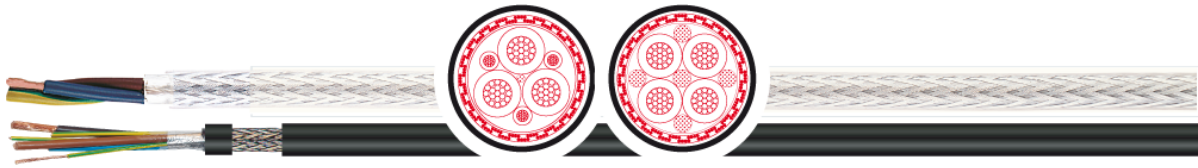




0,6/1kV, EMC optimized, double shielded, K: UV-resistant, CPR Eca

TKD
 an INFINIT[®] brand
**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 (black colour), 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.
- black version with UV-resistant outer sheath
- enables trouble-free operation of frequency converters through optimum EMC compliant shielding

PRODUCT DETAILS**DESIGN**

Conductor material	bare copper strand
Conductor class	acc. to IEC 60228 cl. 5
Core insulation	PE
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	U _o /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. 20 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	up to 12 mm Ø: 5 x d; up to 20 mm Ø: 7,5 x d; > 20 mm Ø: 10 x d
Min. bending radius moved	up to 12 mm Ø: 10 x d; up to 20 mm Ø: 15 x d; > 20 mm Ø: 20 x d

THERMAL PROPERTIES

Operat. temp. fixed min./max. [°C]	-40 °C / +80 °C
Operat. temp. moved min/max [°C]	- 5 °C / +70 °C
Temp. at conductor in operation max [°C]	+70 °C in operation; +160 °C in case of short-circuit

PROPERTIES IN CASE OF FIRE

Burning behavior

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

ITEM OVERVIEW

2YSL(ST)CY-J 0,6/1 kV EMV transparent

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1000390	4 G 1,5	10,8	95,0	212,0
1000391	4 G 2,5	12,3	150,0	270,0
1000392	4 G 4	14,5	235,0	362,0
1000393	4 G 6	16,2	320,0	582,0
1000394	4 G 10	19,5	533,0	794,0
1000648	4 G 16	22,4	789,0	1.188,0
1000649	4 G 25	27,0	1.236,0	1.713,0
1000650	4 G 35	30,7	1.662,0	2.402,0
1000651	4 G 50	35,3	2.345,0	2.718,0
1000500	4 G 70	40,2	3.196,0	3.636,0
1000501	4 G 95	45,0	4.316,0	4.700,0
1000003	4 G 120	52,1	5.435,0	5.699,0
1001850	4 G 150	55,2	6.394,0	7.043,0
1002368	4 G 185	62,9	7.639,0	8.384,0
1002702	4 G 240	69,8	10.013,0	11.292,0

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

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1002327	4 G 1,5	10,8	95,0	212,0
1002328	4 G 2,5	12,3	150,0	270,0
1002331	4 G 4	14,5	235,0	362,0
1002744	4 G 6	16,2	320,0	582,0
1002329	4 G 10	19,5	533,0	794,0
1002337	4 G 16	22,4	789,0	1.188,0
1002323	4 G 25	27,0	1.236,0	1.713,0
1002322	4 G 35	30,7	1.662,0	2.402,0
1002365	4 G 50	35,3	2.345,0	2.718,0
1002745	4 G 70	40,2	3.196,0	3.636,0
1002387	4 G 95	45,0	4.316,0	4.700,0
1002746	4 G 120	52,1	5.435,0	5.699,0
1002330	4 G 150	55,2	6.394,0	7.043,0
1002293	4 G 185	62,9	7.639,0	8.384,0
1002747	4 G 240	69,8	10.013,0	11.292,0

2YSL(ST)CY-J 0,6/1 kV EMV-3PLUS transparent

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1003369	3 X 1,5 + 3 G 0,25	10,6	91,0	144,0
1001928	3 X 2,5 + 3 G 0,5	11,6	152,0	264,0
1003371	3 X 4 + 3 G 0,75	13,2	224,0	333,0
1003373	3 X 6 + 3 G 1	15,0	298,0	429,0
1001929	3 X 10 + 3 G 1,5	18,4	491,0	692,0
1002892	3 X 16 + 3 G 2,5	21,5	723,0	979,0
1001858	3 X 25 + 3 G 4	25,3	1.138,0	1.404,0
1002856	3 X 35 + 3 G 6	28,3	1.535,0	1.813,0
1001859	3 X 50 + 3 G 10	33,0	2.208,0	2.501,0
1002891	3 X 70 + 3 G 10	36,9	2.871,0	3.112,0
1003049	3 X 95 + 3 G 16	40,9	3.953,0	4.492,0
1003376	3 X 120 + 3 G 16	46,5	4.836,0	5.301,0
1003390	3 X 150 + 3 G 25	51,0	5.421,0	6.097,0
1002841	3 X 185 + 3 G 35	58,2	7.041,0	7.597,0
1003391	3 X 240 + 3 G 50	63,0	9.148,0	10.379,0

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

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1003431	3 X 1,5 + 3 G 0,25	10,2	91,0	144,0
1002390	3 X 2,5 + 3 G 0,5	11,6	152,0	264,0
1003138	3 X 4 + 3 G 0,75	13,2	224,0	333,0
1002719	3 X 6 + 3 G 1	15,0	298,0	429,0
1002660	3 X 10 + 3 G 1,5	18,4	491,0	692,0
1002890	3 X 16 + 3 G 2,5	21,5	723,0	979,0
1002720	3 X 25 + 3 G 4	25,3	1.138,0	1.404,0

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

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1002721	3 X 35 + 3 G 6	28,3	1.535,0	1.813,0
1003001	3 X 50 + 3 G 10	33,0	2.208,0	2.501,0
1002661	3 X 70 + 3 G 10	36,9	2.871,0	3.112,0
1002662	3 X 95 + 3 G 16	40,9	3.953,0	4.492,0
1002722	3 X 120 + 3 G 16	46,5	4.836,0	5.301,0
1002380	3 X 150 + 3 G 25	51,0	5.421,0	6.097,0
1002999	3 X 185 + 3 G 35	58,2	7.041,0	7.597,0
1003427	3 X 240 + 3 G 50	63,0	9.148,0	10.379,0