



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. 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

REMARKS

- conform to RoHS, conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- LABS-/silicone-free (during production)
- Special versions, e.g. for direct laying underground 2XSL(St)CYK-J DB 0,6/1 kV EMC (DB = direct burial), other dimensions, cross-sections, core and jacket colours are manufactured on request.

PRODUCT INFORMATION

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
Shield3:	Alu-lamin. polyester foil, metal side outside, cover. 100% under copper braid tinned
Outer sheath:	PVC
Sheath colour:	Transparent; K-version: black
Rated voltage:	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
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
Operat. temp. fixed min/max:	-40 °C / +90 °C
Operat. temp. moved min/max:	-5 °C / +90°C, K-version: -15 °C / +90°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

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1004896	4 G 1,5	10,9	95,00	212,00	transparent	V1: 2XSL(ST)CY-J 0,6/1KV EMV transparent
1004897	4 G 2,5	12,0	150,00	270,00	transparent	V1: 2XSL(ST)CY-J 0,6/1KV EMV transparent
1004898	4 G 4	13,3	238,00	362,00	transparent	V1: 2XSL(ST)CY-J 0,6/1KV EMV transparent
1004899	4 G 6	15,2	320,00	582,00	transparent	V1: 2XSL(ST)CY-J 0,6/1KV EMV transparent
1004900	4 G 10	18,0	533,00	794,00	transparent	V1: 2XSL(ST)CY-J 0,6/1KV EMV transparent
1004901	4 G 16	21,4	789,00	1188,00	transparent	V1: 2XSL(ST)CY-J 0,6/1KV EMV transparent
1004902	4 G 25	25,9	1236,00	1713,00	transparent	V1: 2XSL(ST)CY-J 0,6/1KV EMV transparent
1004903	4 G 35	29,1	1662,00	2402,00	transparent	V1: 2XSL(ST)CY-J 0,6/1KV EMV transparent
1004904	4 G 50	33,8	2345,00	2718,00	transparent	V1: 2XSL(ST)CY-J 0,6/1KV EMV transparent
1004905	4 G 70	38,7	3196,00	3636,00	transparent	V1: 2XSL(ST)CY-J 0,6/1KV EMV transparent

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1004906	4 G 95	42,9	4316,00	4700,00	transparent	V1: 2XSL(ST)CY-J 0,6/1KV EMV transparent
1004907	4 G 120	49,9	5435,00	5699,00	transparent	V1: 2XSL(ST)CY-J 0,6/1KV EMV transparent
1004908	4 G 150	54,2	6394,00	7043,00	transparent	V1: 2XSL(ST)CY-J 0,6/1KV EMV transparent
1004909	4 G 185	60,5	7639,00	8384,00	transparent	V1: 2XSL(ST)CY-J 0,6/1KV EMV transparent
1004910	4 G 240	67,1	10013,00	11292,00	transparent	V1: 2XSL(ST)CY-J 0,6/1KV EMV transparent
1004881	4 G 1,5	10,9	95,00	212,00	black	V2: 2XSL(ST)CYK-J 0,6/1KV EMV-UV schwarz/black
1004882	4 G 2,5	12,0	150,00	270,00	black	V2: 2XSL(ST)CYK-J 0,6/1KV EMV-UV schwarz/black
1004883	4 G 4	13,3	238,00	362,00	black	V2: 2XSL(ST)CYK-J 0,6/1KV EMV-UV schwarz/black
1004884	4 G 6	15,2	320,00	582,00	black	V2: 2XSL(ST)CYK-J 0,6/1KV EMV-UV schwarz/black
1004885	4 G 10	18,0	533,00	794,00	black	V2: 2XSL(ST)CYK-J 0,6/1KV EMV-UV schwarz/black
1004886	4 G 16	21,4	789,00	1188,00	black	V2: 2XSL(ST)CYK-J 0,6/1KV EMV-UV schwarz/black
1004887	4 G 25	25,9	1236,00	1713,00	black	V2: 2XSL(ST)CYK-J 0,6/1KV EMV-UV schwarz/black
1004888	4 G 35	29,1	1662,00	2402,00	black	V2: 2XSL(ST)CYK-J 0,6/1KV EMV-UV schwarz/black
1004889	4 G 50	33,8	2345,00	2718,00	black	V2: 2XSL(ST)CYK-J 0,6/1KV EMV-UV schwarz/black
1004890	4 G 70	38,7	3196,00	3636,00	black	V2: 2XSL(ST)CYK-J 0,6/1KV EMV-UV schwarz/black
1004891	4 G 95	42,9	4316,00	4700,00	black	V2: 2XSL(ST)CYK-J 0,6/1KV EMV-UV schwarz/black
1004892	4 G 120	49,9	5435,00	5699,00	black	V2: 2XSL(ST)CYK-J 0,6/1KV EMV-UV schwarz/black
1004893	4 G 150	54,2	6394,00	7043,00	black	V2: 2XSL(ST)CYK-J 0,6/1KV EMV-UV schwarz/black
1004894	4 G 185	60,5	7639,00	8384,00	black	V2: 2XSL(ST)CYK-J 0,6/1KV EMV-UV schwarz/black
1004895	4 G 240	67,1	10013,00	11292,00	black	V2: 2XSL(ST)CYK-J 0,6/1KV EMV-UV schwarz/black
1004879	3 X 1,5 + 3 G 0,25	10,2	91,00	144,00	black	V3: 2XSL(ST)CYK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1000978	3 X 2,5 + 3 G 0,5	11,2	152,00	264,00	black	V3: 2XSL(ST)CYK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1000980	3 X 4 + 3 G 0,75	12,3	224,00	333,00	black	V3: 2XSL(ST)CYK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1000981	3 X 6 + 3 G 1	14,4	298,00	429,00	black	V3: 2XSL(ST)CYK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1000983	3 X 10 + 3 G 1,5	16,8	491,00	615,00	black	V3: 2XSL(ST)CYK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1000984	3 X 16 + 3 G 2,5	19,7	723,00	835,00	black	V3: 2XSL(ST)CYK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1000990	3 X 25 + 3 G 4	24,0	1138,00	1404,00	black	V3: 2XSL(ST)CYK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1000992	3 X 35 + 3 G 6	27,3	1535,00	1813,00	black	V3: 2XSL(ST)CYK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1000993	3 X 50 + 3 G 10	30,9	2208,00	2501,00	black	V3: 2XSL(ST)CYK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1000994	3 X 70 + 3 G 10	34,5	2871,00	3112,00	black	V3: 2XSL(ST)CYK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1000995	3 X 95 + 3 G 16	38,9	3953,00	4492,00	black	V3: 2XSL(ST)CYK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1000996	3 X 120 + 3 G 16	44,5	4836,00	5301,00	black	V3: 2XSL(ST)CYK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1000997	3 X 150 + 3 G 25	48,9	5421,00	6097,00	black	V3: 2XSL(ST)CYK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1001004	3 X 185 + 3 G 35	53,5	7041,00	7597,00	black	V3: 2XSL(ST)CYK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1004880	3 X 240 + 3 G 50	61,0	9148,00	9875,00	black	V3: 2XSL(ST)CYK-J 0,6/1KV EMV-3PLUS-UV schwarz/black