



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, 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
- with UV-resistant, halogen-free 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 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- LABS-/silicone-free (during production)
- Special versions, e.g. with 120 °C max. temperature at conductor, 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:	Halogen-free compound
Sheath colour:	Black, RAL 9005
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 / +80 °C
Operat. temp. moved min/max:	-15 °C / +70 °C
Temp. at conductor:	+ 90 °C in operation; +250 °C in case of short-circuit
Halogen free:	Halogen-free acc. to IEC 60754-1
Burning behavior:	Self-extinguishing & flame-retardant acc.to IEC 60332-1-2

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1004918	4 G 1,5	10,0	95,00	212,00	black	V1: 2XSL(ST)CHK-J 0,6/1KV EMV-UV schwarz/black
1004919	4 G 2,5	11,2	150,00	270,00	black	V1: 2XSL(ST)CHK-J 0,6/1KV EMV-UV schwarz/black
1004920	4 G 4	12,5	238,00	362,00	black	V1: 2XSL(ST)CHK-J 0,6/1KV EMV-UV schwarz/black
1004921	4 G 6	15,2	320,00	582,00	black	V1: 2XSL(ST)CHK-J 0,6/1KV EMV-UV schwarz/black
1004922	4 G 10	17,4	533,00	794,00	black	V1: 2XSL(ST)CHK-J 0,6/1KV EMV-UV schwarz/black
1004923	4 G 16	21,2	789,00	1236,00	black	V1: 2XSL(ST)CHK-J 0,6/1KV EMV-UV schwarz/black
1004924	4 G 25	26,3	1236,00	1713,00	black	V1: 2XSL(ST)CHK-J 0,6/1KV EMV-UV schwarz/black
1004925	4 G 35	29,5	1662,00	2402,00	black	V1: 2XSL(ST)CHK-J 0,6/1KV EMV-UV schwarz/black
1004926	4 G 50	33,8	2345,00	2718,00	black	V1: 2XSL(ST)CHK-J 0,6/1KV EMV-UV schwarz/black

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1004927	4 G 70	39,3	3196,00	3636,00	black	V1: 2XSL(ST)CHK-J 0,6/1KV EMV-UV schwarz/black
1004928	4 G 95	42,9	4316,00	4700,00	black	V1: 2XSL(ST)CHK-J 0,6/1KV EMV-UV schwarz/black
1004929	4 G 120	51,3	5435,00	5699,00	black	V1: 2XSL(ST)CHK-J 0,6/1KV EMV-UV schwarz/black
1004930	4 G 150	54,7	6394,00	7043,00	black	V1: 2XSL(ST)CHK-J 0,6/1KV EMV-UV schwarz/black
1004931	4 G 185	62,0	7639,00	8384,00	black	V1: 2XSL(ST)CHK-J 0,6/1KV EMV-UV schwarz/black
1004932	4 G 240	68,2	10013,00	11292,00	black	V1: 2XSL(ST)CHK-J 0,6/1KV EMV-UV schwarz/black
1004933	3 X 1,5 + 3 G 0,25	10,2	91,00	144,00	black	V2: 2XSL(ST)CHK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1004934	3 X 2,5 + 3 G 0,5	11,0	152,00	264,00	black	V2: 2XSL(ST)CHK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1004935	3 X 4 + 3 G 0,75	12,2	224,00	333,00	black	V2: 2XSL(ST)CHK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1004936	3 X 6 + 3 G 1	14,4	298,00	429,00	black	V2: 2XSL(ST)CHK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1004937	3 X 10 + 3 G 1,5	16,8	491,00	615,00	black	V2: 2XSL(ST)CHK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1004938	3 X 16 + 3 G 2,5	20,1	723,00	835,00	black	V2: 2XSL(ST)CHK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1004939	3 X 25 + 3 G 4	24,0	1138,00	1404,00	black	V2: 2XSL(ST)CHK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1004940	3 X 35 + 3 G 6	27,3	1535,00	1873,00	black	V2: 2XSL(ST)CHK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1004941	3 X 50 + 3 G 10	31,3	2208,00	2501,00	black	V2: 2XSL(ST)CHK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1004942	3 X 70 + 3 G 10	34,8	2871,00	3112,00	black	V2: 2XSL(ST)CHK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1004943	3 X 95 + 3 G 16	39,3	3953,00	4492,00	black	V2: 2XSL(ST)CHK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1004944	3 X 120 + 3 G 16	44,5	4836,00	5301,00	black	V2: 2XSL(ST)CHK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1004945	3 X 150 + 3 G 25	49,8	5421,00	6097,00	black	V2: 2XSL(ST)CHK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1004946	3 X 185 + 3 G 35	56,2	7041,00	7597,00	black	V2: 2XSL(ST)CHK-J 0,6/1KV EMV-3PLUS-UV schwarz/black
1004947	3 X 240 + 3 G 50	62,9	9148,00	9875,00	black	V2: 2XSL(ST)CHK-J 0,6/1KV EMV-3PLUS-UV schwarz/black