



USE OF CABLE

power, control and connecting cable in electrical facilities, fixed laying and flexible applications without tensile stress and without defined cable routing. Suitable for use in dry, humid and wet rooms. Outdoor use only with UV-protection, no laying underground.



SPECIAL FEATURES

- 4 kV testing voltage
- no storage outdoors or in wet rooms
- JZ/OZ: 300/500 V, JB/OB: 0,6/1 kV (from 25 mm²)
- largely resistant to acids, bases and specified types of oil
- triple protection for high mechanical requirements and magnetic shield (oxidation-proofed steel wire braid and additional inner sheath)

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- LABS-/silicone-free (during production)
- We are pleased to produce special versions, other dimensions, core and jacket colours on request

PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Acc. to IEC 60228 cl. 5
Core insulation:	PVC
Core identification:	JZ/OZ: acc. to DIN VDE 0293 black cores with white numerals; JB/OB: coloured - up to 5 cores acc. to DIN 293-308, from 6 cores TKD colour code (see technical guideline) G: with GNYE
Stranding:	Stranded in layers
Inner sheath material:	PVC
Shield3:	Steel wire braid zincd
Outer sheath:	PVC
Sheath colour:	Transparent
Rated voltage:	Uo/U - JZ/OZ: 300/500 V JB/OB: 0,6/1 kV
Testing voltage:	4 kV
Conductor resistance:	Acc. to IEC 60228 cl. 5
Insulation resistance:	Min. 20 MΩ x km
Current-carrying-capacity:	Acc. to DIN VDE, see technical Guidelines
Min. bending radius fixed:	6 x d
Min. bending radius moved:	15 x d
Operat. temp. fixed min/max:	-30 °C / +80 °C
Operat. temp. moved min/max:	-15 °C / +70 °C
Temp. at conductor:	+70 °C in operation; +150 °C in case of short-circuit
Burning behavior:	Self-extinguishing & flame-retardant acc.to IEC 60332-1
Standard:	Similar to EN 50525-2-51 0,6/1 kV-type: with insulation thickness for 1 kV

ITEM OVERVIEW

Product No.	Dimension [n x mm ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1001108	2 X 0,5	7,2	9,60	77,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000801	3 G 0,5	7,7	14,40	86,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1002319	4 G 0,5	8,1	19,20	101,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1001779	4 X 0,5	8,1	19,20	101,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1001717	5 G 0,5	8,6	24,00	116,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000831	7 G 0,5	9,7	33,60	134,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1004875	10 G 0,5	11,1	48,00	205,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000770	12 G 0,5	11,6	58,00	204,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1004876	14 G 0,5	12,5	67,00	242,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000777	18 G 0,5	13,5	86,40	266,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000782	21 G 0,5	14,9	101,00	332,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1000785	25 G 0,5	15,6	120,00	345,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1003721	30 G 0,5	16,3	144,00	450,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1001109	2 X 0,75	7,8	14,40	88,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000802	3 G 0,75	8,1	21,60	102,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000809	4 G 0,75	8,6	28,80	135,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000822	5 G 0,75	9,4	36,00	144,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000832	7 G 0,75	10,3	50,40	168,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1001055	9 G 0,75	12,2	65,00	249,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000771	12 G 0,75	12,8	86,40	252,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000778	18 G 0,75	14,8	130,00	330,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1003420	21 G 0,75	16,2	151,00	415,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000786	25 G 0,75	17,0	180,00	435,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000796	34 G 0,75	19,3	245,00	575,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1002836	50 G 0,75	22,5	360,00	896,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1001110	2 X 1	8,2	19,20	101,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000803	3 G 1	8,5	28,80	112,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000810	4 G 1	9,3	38,40	127,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000823	5 G 1	9,8	48,00	153,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000833	7 G 1	11,0	67,20	188,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000772	12 G 1	13,6	115,00	285,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000779	18 G 1	15,6	173,00	400,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1003421	20 G 1	16,8	192,00	493,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000787	25 G 1	18,1	240,00	520,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000797	34 G 1	20,5	326,00	707,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000800	36 G 1	20,5	346,00	756,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1001111	2 X 1,5	8,9	28,80	117,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000804	3 G 1,5	9,3	43,20	137,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000811	4 G 1,5	9,9	58,00	167,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000824	5 G 1,5	10,8	72,00	193,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000834	7 G 1,5	11,9	101,00	228,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000840	8 G 1,5	13,6	115,00	285,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000773	12 G 1,5	15,1	173,00	378,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000780	18 G 1,5	17,3	259,00	480,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000788	25 G 1,5	20,3	360,00	685,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000798	34 G 1,5	22,9	490,00	870,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1003422	41 G 1,5	24,9	591,00	1101,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000808	42 G 1,5	24,9	605,00	1211,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1002788	50 G 1,5	27,1	720,00	1305,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1001112	2 X 2,5	10,4	48,00	157,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000805	3 G 2,5	11,0	72,00	191,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000814	4 G 2,5	11,9	96,00	224,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000827	5 G 2,5	12,8	120,00	275,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000837	7 G 2,5	14,3	168,00	329,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V

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1000774	12 G 2,5	18,2	288,00	532,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000781	18 G 2,5	21,1	432,00	790,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000790	25 G 2,5	24,4	600,00	1030,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000806	3 G 4	12,6	115,00	270,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000817	4 G 4	13,9	154,00	318,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000828	5 G 4	15,0	192,00	392,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000838	7 G 4	16,4	269,00	486,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000818	4 G 6	15,8	230,00	440,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000829	5 G 6	17,2	288,00	545,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000839	7 G 6	18,9	403,00	668,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000812	4 G 10	19,4	384,00	699,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000825	5 G 10	21,5	480,00	850,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000835	7 G 10	23,4	672,00	1189,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000813	4 G 16	22,4	614,00	1228,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000826	5 G 16	24,6	768,00	1322,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000836	7 G 16	27,2	1075,00	1631,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000815	4 G 25	28,9	960,00	1591,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1003423	5 G 25	31,8	1200,00	1971,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000816	4 G 35	32,2	1344,00	2099,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000830	5 G 35	36,0	1680,00	2568,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1003424	4 G 50	38,2	1920,00	3099,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1003425	4 G 70	43,7	2688,00	4120,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1003426	4 G 95	50,4	3648,00	4780,00	transparent	V1: ÖPVC-JZ/OZ-YSY 300/500 V
1000999	2 X 0,5	7,2	10,00	80,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1000423	3 G 0,5	7,7	15,00	92,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1001008	3 X 0,5	7,7	15,00	92,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1000429	4 G 0,5	8,1	19,00	102,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1003396	5 G 0,5	8,6	24,00	119,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1003397	7 G 0,5	9,7	34,00	147,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1003398	12 G 0,5	11,6	58,00	213,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1001000	2 X 0,75	7,8	15,00	97,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1000424	3 G 0,75	8,1	22,00	110,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1000430	4 G 0,75	8,6	29,00	125,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1001584	5 G 0,75	9,4	36,00	144,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1003399	7 G 0,75	10,3	50,00	171,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1003400	12 G 0,75	12,8	86,00	260,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1001002	2 X 1	8,2	19,00	114,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1000425	3 G 1	8,5	29,00	128,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1000431	4 G 1	9,3	38,00	143,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1000441	5 G 1	9,8	48,00	166,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1003401	7 G 1	11,0	67,00	201,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1001852	8 G 1	11,5	76,80	197,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1003403	12 G 1	13,6	115,00	322,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V

Product No.	Dimension [n x mm ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1001003	2 X 1,5	8,9	29,00	146,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1000426	3 G 1,5	9,3	43,00	157,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1000432	4 G 1,5	9,9	58,00	180,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1000442	5 G 1,5	10,8	72,00	216,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1001630	7 G 1,5	11,9	101,00	264,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1003404	12 G 1,5	15,1	173,00	434,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1001006	2 X 2,5	10,4	48,00	185,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1000428	3 G 2,5	11,0	72,00	213,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1001891	4 G 2,5	11,9	96,00	253,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1000443	5 G 2,5	12,8	120,00	301,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1003405	7 G 2,5	14,3	168,00	410,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1003406	12 G 2,5	18,0	288,00	650,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1001007	2 X 4	12,5	77,00	329,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1003407	3 G 4	12,6	115,00	343,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1003408	4 G 4	13,9	154,00	357,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1001736	5 G 4	15,0	192,00	504,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1003409	7 G 4	16,4	269,00	640,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1001999	3 G 6	15,5	173,00	450,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1002847	4 G 6	15,8	230,00	495,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1003410	5 G 6	17,2	288,00	592,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1003411	7 G 6	18,9	403,00	845,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1002870	4 G 10	19,4	384,00	1153,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1003412	5 G 10	21,5	480,00	1352,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1003413	7 G 10	23,4	672,00	1551,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1000433	4 G 16	22,9	614,00	1360,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1003414	5 G 16	24,6	768,00	1740,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1003415	7 G 16	27,2	1075,00	2166,00	transparent	V2: ÖPVC-JB/OB-YSY 300/500 V
1000791	3 G 25	26,2	720,00	1630,00	transparent	V3: ÖPVC-JB/OB-YSY 0,6/1 kV
1000435	4 G 25	28,9	960,00	2020,00	transparent	V3: ÖPVC-JB/OB-YSY 0,6/1 kV
1000444	5 G 25	31,8	1200,00	2465,00	transparent	V3: ÖPVC-JB/OB-YSY 0,6/1 kV
1000437	4 G 35	32,2	1344,00	2570,00	transparent	V3: ÖPVC-JB/OB-YSY 0,6/1 kV
1003416	5 G 35	36,0	1680,00	3185,00	transparent	V3: ÖPVC-JB/OB-YSY 0,6/1 kV
1000438	4 G 50	38,2	1920,00	3515,00	transparent	V3: ÖPVC-JB/OB-YSY 0,6/1 kV
1000439	4 G 70	43,8	2688,00	4810,00	transparent	V3: ÖPVC-JB/OB-YSY 0,6/1 kV
1000440	4 G 95	50,4	3648,00	6360,00	transparent	V3: ÖPVC-JB/OB-YSY 0,6/1 kV