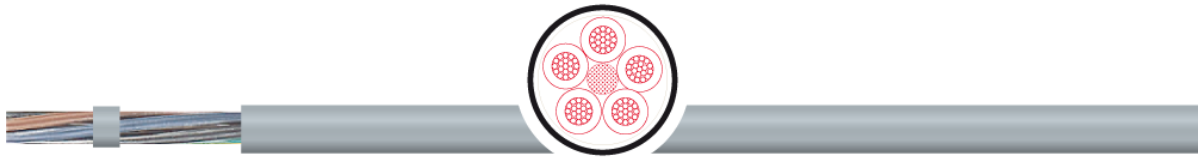




300/500V, 450/750V, 0,6/1kV, unshielded, CPR Eca



### APPLICATION

power, control and connecting cable in electrical facilities for 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 in underground. Applicable also for YSLY or YY.

### SPECIAL FEATURES

- largely resistant to acids, bases and specified types of oil
- 4 kV testing voltage

### SERVICE

- **Cutting** - to the desired length
- **Sheath removal** - removal of the sheath to the desired length
- **Stripping** - Insulation stripped to desired length

### REMARKS

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



## PRODUCT DETAILS

### DESIGN

Conductor material	bare copper strand
Conductor class	acc. to IEC 60228 cl. 5
Core insulation	PVC
Core identification	coloured: up to 5 cores acc. to DIN VDE 0293-308; from 6 cores TKD colour code (see technical guideline); G: with GNYE
Stranding	stranded in layers
Outer sheath material	PVC
Sheath colour	grey, RAL 7001

### ELECTRICAL PROPERTIES

Rated voltage AC IEC	U <sub>0</sub> /U: up to 16mm <sup>2</sup> 300/500V or 450/750V; from 25mm <sup>2</sup> 0,6/1kV
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

### MECHANICAL & DYNAMIC PROPERTIES

Min. bending radius fixed	4 x d
Min. bending radius moved	15 x d

**THERMAL PROPERTIES**

Operat. temp. fixed min./max. [°C]	-40 °C / +80 °C
Operat. temp. moved min/max [°C]	-15 °C / +70 °C
Temp. at conductor in operation max [°C]	+ 70 °C
Temp. at conductor in case of short-circuit max [°C]	+ 150 °C

**PROPERTIES IN CASE OF FIRE**

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

**STANDARDS & APPROVALS**

**Standard** similar to EN 50525-2-51 | 450/750 V & 0.6/1 kV variants with adjusted insulation wall thicknesses

**ITEM OVERVIEW**

**ÖPVC-JB/OB 300/500 V**

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1000923	2 X 0,5	4,8	10,0	33,0
1000333	3 G 0,5	5,2	15,0	41,0
1000937	3 X 0,5	5,2	15,0	41,0
1000354	4 G 0,5	5,7	19,0	50,0
1000950	4 X 0,5	5,7	19,0	50,0
1000371	5 G 0,5	6,3	24,0	63,0
1004380	5 X 0,5	6,3	24,0	63,0
1002936	6 G 0,5	6,7	28,8	70,0
1000384	7 G 0,5	6,8	34,0	78,0
1004218	8 G 0,5	7,4	38,0	97,0
1003359	12 G 0,5	9,1	58,0	130,0
1003732	14 G 0,5	9,5	67,0	151,0
1000926	2 X 0,75	5,2	15,0	43,0
1000334	3 G 0,75	5,6	22,0	52,0
1000938	3 X 0,75	5,6	22,0	52,0
1000355	4 G 0,75	6,3	29,0	66,0
1004381	4 X 0,75	6,3	29,0	64,0
1000372	5 G 0,75	6,8	36,0	76,0
1000385	7 G 0,75	7,4	50,0	98,0
1005192	10 G 0,75	9,1	72,0	148,0
1003360	12 G 0,75	10,0	86,0	163,0
1000930	2 X 1	5,7	19,0	50,0
1000944	3 X 1	6,1	29,0	62,0
1000340	3 G 1	6,1	29,0	62,0
1000356	4 G 1	6,6	38,0	75,0
1000958	4 X 1	6,6	38,0	75,0
1000374	5 G 1	7,2	48,0	92,0
1000387	7 G 1	8,1	67,0	120,0
1004001	6 G 1	8,1	58,0	114,0
1003782	10 G 1	10,4	96,0	187,0
1001920	12 G 1	10,6	115,0	200,0
1004101	16 G 1	12,3	154,0	300,0
1000931	2 X 1,5	6,3	29,0	65,0
1000341	3 G 1,5	6,7	43,0	81,0
1000946	3 X 1,5	6,7	43,0	81,0
1000357	4 G 1,5	7,3	58,0	101,0
1000959	4 X 1,5	7,3	58,0	101,0
1000376	5 G 1,5	8,2	72,0	125,0
1000388	7 G 1,5	9,0	101,0	160,0
1003996	8 G 1,5	10,6	115,0	205,0
1001723	12 G 1,5	11,9	173,0	267,0
1003899	25 G 1,5	16,9	360,0	539,0
1000934	2 X 2,5	7,6	48,0	99,0
1000347	3 G 2,5	8,2	72,0	126,0
1000362	4 G 2,5	9,0	96,0	156,0
1000380	5 G 2,5	10,1	120,0	195,0
1001737	7 G 2,5	11,2	168,0	250,0

**ÖPVC-JB/OB 300/500 V**

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1000061	12 G 2,5	15,0	288,0	423,0
1000935	2 X 4	9,4	77,0	152,0
1000351	3 G 4	10,0	115,0	193,0
1000365	4 G 4	11,0	154,0	241,0
1000382	5 G 4	12,3	192,0	300,0
1003361	7 G 4	13,6	269,0	389,0
1003362	12 G 4	18,3	461,0	661,0
1000353	3 G 6	11,7	173,0	275,0
1000367	4 G 6	12,6	230,0	337,0
1000383	5 G 6	14,1	288,0	419,0
1003363	7 G 6	15,5	403,0	544,0
1003364	3 G 10	14,7	288,0	449,0
1000359	4 G 10	16,3	384,0	572,0
1000377	5 G 10	18,2	480,0	712,0
1000389	7 G 10	20,1	672,0	925,0
1001685	3 G 16	18,5	461,0	680,0
1000361	4 G 16	20,7	614,0	860,0
1000378	5 G 16	23,0	768,0	1.071,0
1003365	7 G 16	25,2	1.075,0	1.393,0

**ÖPVC-JB/OB 450/750 V**

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1005393	2 X 1	6,5	19,2	63,0
1005394	3 G 1	6,9	28,8	77,0
1005395	4 G 1	7,7	38,4	97,0
1005396	5 G 1	8,5	48,0	119,0
1005397	2 X 1,5	7,7	28,8	90,0
1005398	3 G 1,5	8,0	43,2	110,0
1005399	4 G 1,5	9,1	57,6	139,0
1005400	5 G 1,5	10,0	72,0	169,0
1005401	2 X 2,5	9,1	48,0	133,0
1005402	3 G 2,5	9,6	72,0	161,0
1005403	3 X 2,5	9,6	72,0	161,0
1005404	4 G 2,5	10,7	96,0	205,0
1005405	5 G 2,5	12,0	120,0	257,0
1005406	7 G 2,5	13,1	168,0	321,0
1005407	2 X 4	10,5	77,0	186,0
1005408	3 G 4	11,2	115,0	231,0
1005409	4 G 4	12,5	154,0	296,0
1005410	5 G 4	13,9	192,0	367,0
1005411	7 G 4	15,2	269,0	471,0
1005412	2 X 6	11,8	115,0	248,0
1005413	3 G 6	12,6	173,0	312,0
1005414	4 G 6	14,0	230,0	398,0
1005415	5 G 6	15,6	288,0	496,0
1004653	7 G 6	17,3	403,0	651,0
1005416	3 G 10	15,9	288,0	506,0
1005417	4 G 10	17,9	384,0	656,0
1005418	5 G 10	20,0	480,0	819,0
1005419	7 G 10	21,6	672,0	1.058,0
1005420	3 G 16	18,5	461,0	739,0
1005422	4 G 16	20,7	614,0	952,0
1005423	5 G 16	23,0	768,0	1.183,0

**ÖPVC-JB/OB 0,6/1 kV**

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1003366	3 G 25	23,7	720,0	1.370,0
1000363	4 G 25	26,0	960,0	1.471,0
1001848	5 G 25	29,0	1.200,0	1.807,0
1003367	7 G 25	32,0	1.680,0	2.830,0
1003368	3 G 35	26,0	1.008,0	1.740,0
1000364	4 G 35	29,1	1.344,0	1.979,0

**ÖPVC-JB/OB 0,6/1 kV**

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1000381	5 G 35	32,5	1.680,0	2.485,0
1000352	3 G 50	30,9	1.440,0	2.510,0
1000366	4 G 50	35,5	1.920,0	2.818,0
1001817	5 G 50	39,0	2.400,0	3.800,0
1003370	3 G 70	36,0	2.016,0	3.190,0
1000369	4 G 70	40,2	2.688,0	3.952,0
1001803	5 G 70	45,0	3.360,0	4.900,0
1003372	3 G 95	41,1	2.736,0	4.510,0
1000370	4 G 95	44,8	3.648,0	5.149,0
1001801	5 G 95	51,0	4.560,0	6.600,0
1003374	3 G 120	45,5	3.456,0	5.600,0
1000360	4 G 120	51,0	4.608,0	7.200,0
1001802	5 G 120	62,0	5.760,0	8.688,0
1003375	4 G 150	60,1	5.760,0	7.800,0
1003231	4 G 185	62,0	7.104,0	8.300,0
1003377	4 G 240	72,0	9.216,0	10.550,0