



## USE OF CABLE

power, control and connecting cable in electrical facilities for lossless data and signal transmission, 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

- largely resistant to acids, bases and specified types of oil
- additional mechanical protection by inner sheath
- EMC compliant shielding

## 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 INFORMATION

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
Inner sheath material:	PVC
Shield3:	Copper braid tinned, coverage approx. 85 %
Outer sheath:	PVC
Sheath colour:	Transparent
Rated voltage:	Uo/U: up to 16mm² 300/500V, from 25mm² 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, see technical Guidelines
Min. bending radius fixed:	6 x d
Min. bending radius moved:	15 x d
Operat. temp. fixed min/max:	-40 °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 mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1000982	2 X 0,5	6,9	41,00	74,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000395	3 G 0,5	7,3	46,00	78,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000403	4 G 0,5	7,9	55,00	95,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000412	5 G 0,5	8,4	66,00	111,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1003378	7 G 0,5	9,1	81,00	140,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1003379	12 G 0,5	11,5	139,00	227,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000985	2 X 0,75	7,5	46,00	77,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000396	3 G 0,75	7,9	58,00	91,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000991	3 X 0,75	7,9	58,00	91,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000404	4 G 0,75	8,4	64,00	109,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000413	5 G 0,75	9,1	77,00	136,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000793	6 G 0,75	9,8	86,00	167,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1003380	7 G 0,75	9,7	102,00	174,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000794	8 G 0,75	11,2	104,00	214,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1003381	12 G 0,75	12,7	177,00	270,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000987	2 X 1	7,9	56,00	91,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000397	3 G 1	8,2	65,00	107,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000405	4 G 1	8,8	78,00	137,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000644	5 G 1	9,6	89,00	164,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1003382	7 G 1	10,4	113,00	199,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1003383	12 G 1	13,5	188,00	330,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000988	2 X 1,5	8,7	65,00	115,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000398	3 G 1,5	9,0	83,00	137,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000406	4 G 1,5	9,7	100,00	173,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000414	5 G 1,5	10,6	125,00	210,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1003384	7 G 1,5	11,4	196,00	282,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1003385	12 G 1,5	15,2	280,00	433,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000989	2 X 2,5	10,0	112,00	160,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000401	3 G 2,5	10,5	146,00	210,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000407	4 G 2,5	11,5	167,00	267,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000420	5 G 2,5	12,5	200,00	319,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1003386	7 G 2,5	14,0	288,00	395,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1003387	12 G 2,5	18,2	477,00	640,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1001861	4 G 4	13,7	237,00	369,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000421	5 G 4	15,3	280,00	446,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1003388	7 G 4	16,6	388,00	556,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000409	4 G 6	16,1	318,00	503,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000422	5 G 6	17,3	441,00	611,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1003389	7 G 6	18,8	505,00	798,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1001862	4 G 10	19,4	558,00	764,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000417	5 G 10	21,8	714,00	943,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1001879	4 G 16	22,6	804,00	1080,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1000418	5 G 16	25,2	1053,00	1325,00	transparent	V1: ÖPVC-JB/OB-YCY 300/500 V
1001880	4 G 25	28,9	1289,00	1624,00	transparent	V2: ÖPVC-JB/OB-YCY 0,6/1 kV
1001687	5 G 25	31,8	1446,00	2270,00	transparent	V2: ÖPVC-JB/OB-YCY 0,6/1 kV
1001768	4 G 35	32,2	1680,00	2135,00	transparent	V2: ÖPVC-JB/OB-YCY 0,6/1 kV
1001776	5 G 35	36,4	1975,00	2771,00	transparent	V2: ÖPVC-JB/OB-YCY 0,6/1 kV
1000408	4 G 50	38,8	2342,00	3362,00	transparent	V2: ÖPVC-JB/OB-YCY 0,6/1 kV
1000410	4 G 70	43,7	3103,00	4320,00	transparent	V2: ÖPVC-JB/OB-YCY 0,6/1 kV
1000411	4 G 95	50,4	4055,00	5849,00	transparent	V2: ÖPVC-JB/OB-YCY 0,6/1 kV
1001604	4 G 120	56,8	5225,00	7509,00	transparent	V2: ÖPVC-JB/OB-YCY 0,6/1 kV
1003392	4 G 150	62,2	6300,00	7800,00	transparent	V2: ÖPVC-JB/OB-YCY 0,6/1 kV
1003393	4 G 185	67,8	7753,00	9866,00	transparent	V2: ÖPVC-JB/OB-YCY 0,6/1 kV