



USE OF CABLE

as UV- and cold resistant power, control and connecting cable in electrical facilities (e.g. in plant and machine building, in heating and air-conditioning technology or in frozen goods plants, cold stores), 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 but no laying underground



SPECIAL FEATURES

- largely resistant to acids, bases and specified types of oil
- increased cold resistant acc. to IEC 60811-1-4

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE

PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Acc. to IEC 60228 cl. 5
Core insulation:	PVC, cold resistant
Core identification:	Acc. to DIN VDE 0293 black cores with white numerals with or without GNYE
Stranding:	Stranded in layers
Outer sheath:	PVC, cold resistant
Sheath colour:	Black, RAL 9005
Rated voltage:	300/500 V
Testing voltage:	3 kV
Conductor resistance:	Acc. to IEC 60228 cl. 5
Insulation resistance:	Min. 20 MΩ x km
Current-carrying-capacity:	Acc. to DIN VDE
Min. bending radius fixed:	4 x d
Min. bending radius moved:	15 x d
Operat. temp. fixed min/max:	-60 °C / +80 °C
Operat. temp. moved min/max:	-40 °C / +70 °C
Temp. at conductor:	+70 °C in operation; +140 °C in case of short-circuit
Burning behavior:	Self-extinguishing & flame-retardant acc. to IEC 60332-1
Standard:	Similar to EN 50525-2-51

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1005391	2 X 0,5	4,8	9,60	34,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005392	3 G 0,5	5,1	14,40	41,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005433	3 X 0,5	5,1	14,40	41,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005434	4 G 0,5	5,5	19,20	51,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005435	4 X 0,5	5,5	19,20	51,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005436	5 G 0,5	6,3	24,00	63,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005437	5 X 0,5	6,3	24,00	63,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005438	7 G 0,5	6,8	34,00	79,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005439	7 X 0,5	6,8	34,00	79,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005440	12 G 0,5	9,1	58,00	137,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V

ÖPVC-JZ/OZ ARCTIC +UV BLACK

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1005441	14 G 0,5	9,5	67,00	155,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005442	18 G 0,5	10,8	86,00	198,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005443	25 G 0,5	12,5	120,00	270,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005444	34 G 0,5	14,9	163,00	378,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005445	2 X 0,75	5,2	15,00	43,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005446	3 G 0,75	5,5	22,00	52,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005447	3 X 0,75	5,5	22,00	52,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005448	4 G 0,75	6,2	29,00	65,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005449	4 X 0,75	6,2	29,00	65,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005450	5 G 0,75	6,8	36,00	81,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005451	5 X 0,75	6,8	36,00	81,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005452	7 G 0,75	7,6	50,00	102,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005453	7 X 0,75	7,6	50,00	102,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005454	12 G 0,75	9,9	86,00	179,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005455	18 G 0,75	12,0	130,00	260,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005456	25 G 0,75	13,9	180,00	354,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005457	34 G 0,75	16,5	245,00	492,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005458	2 X 1	5,5	19,00	50,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005459	3 G 1	6,1	29,00	63,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005460	3 X 1	6,1	29,00	63,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005461	4 G 1	6,6	38,00	78,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005462	4 X 1	6,6	38,00	78,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005463	5 G 1	7,2	48,00	97,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005464	5 X 1	7,2	48,00	97,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005465	7 G 1	8,0	67,00	124,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005466	7 X 1	8,0	67,00	124,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005467	12 G 1	10,7	115,00	217,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005468	18 G 1	12,7	173,00	315,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005469	25 G 1	14,9	240,00	431,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005470	34 G 1	17,7	326,00	598,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005471	2 X 1,5	6,3	29,00	67,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005472	3 G 1,5	6,7	43,00	84,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005473	3 X 1,5	6,7	43,00	84,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005474	4 G 1,5	7,5	58,00	106,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005475	4 X 1,5	7,5	58,00	106,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005476	5 G 1,5	8,2	72,00	131,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005477	5 X 1,5	8,2	72,00	131,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005478	7 G 1,5	9,1	101,00	169,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V

ÖPVC-JZ/OZ ARCTIC +UV BLACK

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1005479	7 X 1,5	9,1	101,00	169,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005480	12 G 1,5	12,1	173,00	295,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005481	18 G 1,5	14,4	259,00	431,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005482	25 G 1,5	16,8	360,00	591,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005483	34 G 1,5	20,0	490,00	819,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005484	2 X 2,5	7,7	48,00	103,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005485	3 G 2,5	8,2	72,00	130,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005486	3 X 2,5	8,2	72,00	130,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005487	4 G 2,5	9,1	96,00	165,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005488	5 G 2,5	10,0	120,00	206,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005489	7 G 2,5	11,1	168,00	266,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005490	12 G 2,5	15,0	288,00	468,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005491	18 G 2,5	17,9	432,00	685,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005492	25 G 2,5	20,9	600,00	941,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005493	34 G 2,5	24,7	816,00	1308,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005494	2 X 4	9,2	77,00	152,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005495	3 G 4	9,7	115,00	195,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005496	4 G 4	10,9	154,00	248,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005497	5 G 4	12,1	192,00	310,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005498	7 G 4	13,4	269,00	403,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005499	2 X 6	10,8	115,00	220,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005500	3 G 6	11,5	173,00	283,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005501	4 G 6	12,8	230,00	360,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005502	5 G 6	14,3	288,00	451,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005503	7 G 6	15,9	403,00	588,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005504	2 X 10	13,6	192,00	353,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005505	3 G 10	14,7	288,00	456,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005506	4 G 10	16,3	384,00	583,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005507	5 G 10	18,2	480,00	731,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005508	7 G 10	20,0	672,00	955,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005509	3 G 16	17,0	461,00	671,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005510	4 G 16	18,8	614,00	861,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005511	5 G 16	21,2	768,00	1080,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005512	7 G 16	23,6	1075,00	1420,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005513	4 G 25	23,7	960,00	1342,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005514	5 G 25	26,6	1200,00	1683,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005515	4 G 35	26,9	1344,00	1812,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005516	5 G 35	30,2	1680,00	2270,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V

ÖPVC-JZ/OZ ARCTIC +UV BLACK

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1005517	3 G 50	31,1	1440,00	2166,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005518	4 G 50	32,7	1920,00	2746,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V
1005519	4 G 70	36,6	2688,00	3724,00	black	V0: ÖPVC ARCTIC +UV -60 °C 300/500 V