Energiekabel 1kV
Power Cables 1kV

E-YY-O



Application

Power cables for energy supply are installed in open air, in underground, in water, indoors, in cable ducts, power stations, for industry and distribution boards as well as in subscriber networks, where mechanical damages are not to be expected.

The materials used are free from silicon and cadmium and free from varnish damaging sustances.

Standards

ÖVE K 23 and K 603

CE = The product is conformed with the EC Low-Voltage Directive 2014/35/EU

Construction

Inner Conductor	bare copper conductor solid or stranded, to DIN VDE 0295 cl. 1 or cl. 2 and IEC 60228 cl. 1 or cl. 2
Core Insulation	Polyvinyl chloride (PVC)
Core Color	HD 308 S2, (7 cores black with continuous white numbers printed)
Stranding Elements	multi cores stranded in layers
Outer Insulation Material	Polyvinyl chloride (PVC)
Constant Against	UV-radiation

Technical Data

Nominal Voltage	U_0/U: 600 /1000 V
Nominal Volatage DC	U_0/U: 900 /1800 V
Test Voltage	4000 V
Bending Radius fixed (xD)	15
Operating Temperature solid	-5 °C bis 70 °C
Operating Temperature moving	-5 °C bis 70 °C
Short Circuit Temperature	160 °C
Short Circuit Duration	5 sek.
Fire Classes	Eca

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Prod. Nr.	Option	Dimensions	Color	Weight (kg/km) approx.	Outer-Diameter (mm) approx.	Power Load Earth (A)	Power Load Air (A)	Calorific potential (kWh/m)
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01302216	O	1 x 10 rm	black - black	139,0	9,5	83	64	0,33
01302001	O	1 x 16 re	black - black	219,0	9,5	107	84	0,42
01302225	O	1 x 16 rm	black - black	219,0	9,5	107	84	0,42
01302002	O	1 x 25 rm	black - black	327,0	11,5	138	114	0,58
01302003	O	1 x 35 rm	black - black	435,0	12,6	164	139	0,67
01302004	O	1 x 50 rm	black - black	576,0	14,9	195	169	0,81
01302005	O	1 x 70 rm	black - black	793,0	17,0	238	213	0,92
01302006	O	1 x 95 rm	black - black	1.069,0	19,0	286	264	1,17
01302007	O	1 x 120 rm	black - black	1.320,0	20,0	325	307	1,31
01302008	O	1 x 150 rm	black - black	1.616,0	21,5	365	352	1,58
01302009	O	1 x 185 rm	black - black	1.995,0	24,6	413	406	1,65
01302010	O	1 x 240 rm	black - black	2.560,0	27,0	479	483	1,77
01302011	O	1 x 300 rm	black - black	3.163,0	30,0	541	557	1,92
01302012	O	1 x 400 rm	black - black	4.030,0	35,0	614	646	
01302236	O	1 x 500 rm	black - black	5.030,0	40,0	693	747	
01302013	O	2 x 1,5 re	black - black	119,0	8,7	30	21	
01302014	O	2 x 2,5 re	black - black	157,0	9,9	39	28	
01302015	O	2 x 4 re	black - black	227,0	11,5	50	37	
01302016	O	2 x 6 re	black - black	270,0	12,0	62	47	
01302017	O	2 x 10 re	black - black	401,0	14,0	83	64	
01302018	O	2 x 16 re	black - black	597,0	17,0	107	84	
01302187	O	2 x 16 rm	black - black	620,0	18,5	107	84	
01302019	O	3 x 1,5 re	black - black	142,0	8,0	27	20	0,75
01302020	O	3 x 2,5 re	black - black	188,0	10,0	36	25	0,83

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01302021	O	3 x 4re	black - black	267,0	12,0	47	34	1,08
01302022	O	3 x 6re	black - black	346,0	13,0	59	43	1,22
01302023	O	3 x 10 re	black - black	508,0	16,1	79	59	1,42
01302210	O	3 x 16 rm	black - black	774,0	18,5	102	79	1,69
01302027	O	3 x 25 rm	black - black	1.188,0	21,5	133	106	2,14
01302028	O	3 x 35 sm	black - black	1.231,0	22,5	159	129	2,47
01302038	O	3 x 70/35 sm	black - black	2.642,0	31,6	0	0	
01302031	O	3 x 95 sm	black - black	3.210,0	33,0	280	246	1,06
01302032	O	3 x 120 sm	black - black	4.050,0	36,0	318	285	4,47
01302040	O	3 x 120/70 sm	black - black	4.511,0	39,0	0	0	
01302033	O	3 x 150 sm	black - black	4.870,0	40,3	359	326	5,72
01302041	O	3 x 150/70 sm	black - black	5.466,0	43,0	0	0	
01302034	O	3 x 185 sm	black - black	6.200,0	44,0	406	374	7,03
01302046	O	3 x 240 sm	black - black	8.000,0	52,0	473	445	8,32
01302043	O	3 x 240/120 sm	black - black	8.832,0	53,0	0	0	
01302044	O	4 x 1,5 re	black - black	168,0	10,0	27	20	
01302045	O	4 x 2,5 re	black - black	222,0	11,1	36	25	
01302047	O	4 x 4re	black - black	336,0	13,3	47	34	
01302048	O	4 x 6re	black - black	427,0	14,2	59	43	

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01302049	O	4 x 10 re	black - black	642,0	18,0	79	59	1,67
01302050	O	4 x 10 rm	black - black	667,0	18,0	79	59	1,67
01302051	O	4 x 16 re	black - black	919,0	20,0	102	79	2,03
01302052	O	4 x 16 rm	black - black	958,0	20,0	102	79	2,03
01302204	O	4 x 25 rm	black - black	1.486,0	25,1	133	106	2,61

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01302054	O	4 x 35 sm	black - black	1.685,0	25,0	159	129	2,89
01302055	O	4 x 50 sm	black - black	2.230,0	29,3	188	157	3,31
01302056	O	4 x 70 sm	black - black	2.999,0	35,0	232	199	4,08
01302057	O	4 x 95 sm	black - black	4.145,0	38,0	280	246	5,11
01302058	O	4 x 120 sm	black - black	5.054,0	40,3	318	285	5,69
01302059	O	4 x 150 sm	black - black	6.280,0	45,0	359	326	6,97
01302060	O	4 x 185 sm	black - black	7.656,0	49,0	406	374	7,50
01302061	O	4 x 240 sm	black - black	10.172,0	58,0	473	445	10,70
01302062	O	5 x 1,5 re	black - black	199,0	11,0	27	20	0,94
01302188	O	5 x 6 re	black - black	497,0	15,4	59	43	1,08
01302174	O	5 x 10 rm	black - black	821,0	19,5	79	59	2,00
01302205	O	5 x 16 rm	black - black	1.103,0	22,5	102	79	2,39
01302071	O	7 x 2,5 re	black - black	358,0	14,1	36	25	1,22
01302078	O	7 x 4 re	black - black	566,0	18,0	47	34	
01302228	O	7 x 6 re	black - black	681,0	20,0	59	43	
01302065	O	10 x 1,5 re	black - black	367,0	14,2	27	20	
01302072	O	10 x 2,5 re	black - black	517,0	17,3	36	25	
01302223	O	10 x 4 re	black - black	830,0	21,6	47	34	
01302066	O	12 x 1,5 re	black - black	385,0	14,4	27	20	
01302073	O	12 x 2,5 re	black - black	627,0	17,8	36	25	
01302069	O	19 x 1,5 re	black - black	579,0	18,0	27	20	
01302070	O	24 x 1,5 re	black - black	756,0	20,1	27	20	
01302077	O	24 x 2,5 re	black - black	1.027,0	23,0	36	25	
01302221	O	24 x 4 re	black - black	1.600,0	28,2	47	34	

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