E-YY-J



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.

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Standards

ÖVE K 23 and K 603,
flame retardant acc. to VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1

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

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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, BS 6360 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
Inner Sheath Material	filler sheath or tape
Outer Insulation Material	Polyvinyl chloride (PVC), black
Constant Against	UV-radiation

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Energiekabel 1kV
Power Cables 1kV

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)
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)
01302215	J	1 x 10 rm	black - black	139,0	8,3	83	67	0,33
01302079	J	1 x 16 re	black - black	219,0	9,0	107	89	0,42
01302080	J	1 x 25 rm	black - black	327,0	11,1	138	119	0,58
01302081	J	1 x 35 rm	black - black	435,0	12,1	164	146	0,67
01302082	J	1 x 50 rm	black - black	576,0	13,7	195	177	0,81
01302083	J	1 x 70 rm	black - black	793,0	15,2	238	221	0,92
01302084	J	1 x 95 rm	black - black	1.069,0	17,2	286	270	1,17
01302085	J	1 x 120 rm	black - black	1.320,0	18,5	325	310	1,31
01302181	J	1 x 150 rm	black - black	1.616,0	22,5	365	350	1,58
01302086	J	1 x 185 rm	black - black	1.995,0	24,6	413	399	1,65
01302087	J	1 x 240 rm	black - black	2.560,0	27,0	479	462	1,77
01302088	J	1 x 300 rm	black - black	3.163,0	30,0	541	519	1,92
01302089	J	3 x 1,5 re	black - black	142,0	9,4	27	20	0,75
01302090	J	3 x 2,5 re	black - black	188,0	10,2	36	25	0,83
01302091	J	3 x 4 re	black - black	267,0	11,8	47	34	1,08
01302092	J	3 x 6 re	black - black	346,0	13,3	59	43	1,22
01302093	J	3 x 10 re	black - black	508,0	15,1	79	59	1,42
01302094	J	3 x 16 re	black - black	734,0	17,5	102	79	1,69
01302095	J	3 x 16 rm	black - black	774,0	17,8	102	79	1,69

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01302096	J	3 x 25 rm	black - black	1.188,0	21,5	133	106	2,14
01302103	J	3 x 25/16 rm/re	black - black	1.363,0	22,5	133	106	2,22
01302097	J	3 x 35 sm	black - black	1.231,0	22,5	159	129	2,47
01302105	J	3 x 35/16 sm/re	black - black	1.416,0	23,9	159	129	2,53
01302098	J	3 x 50 sm	black - black	1.688,0	25,9	188	157	2,60

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01302107	J	3 x 50/25 sm/rm	black - black	1.977,0	28,2	188	157	2,78
01302099	J	3 x 70 sm	black - black	2.450,0	29,5	232	199	3,08
01302109	J	3 x 70/35 sm	black - black	2.642,0	31,6	232	199	4,06
01302100	J	3 x 95 sm	black - black	3.210,0	33,0	280	246	4,06
01302110	J	3 x 95/50 sm	black - black	3.621,0	35,8	280	246	5,19
01302101	J	3 x 120 sm	black - black	4.050,0	36,0	318	285	4,47
01302111	J	3 x 120/70 sm	black - black	4.511,0	39,0	318	285	5,81
01302102	J	3 x 150 sm	black - black	4.870,0	40,3	359	326	5,42
01302112	J	3 x 150/70 sm	black - black	5.466,0	43,0	359	326	7,03
01302182	J	3 x 185 sm	black - black	6.200,0	44,0	406	374	7,03
01302113	J	3 x 185/95 sm	black - black	6.717,0	47,5	406	374	7,55
01302176	J	3 x 240 sm	black - black	8.000,0	52,0	473	445	8,32
01302114	J	3 x 240/120 sm	black - black	8.832,0	53,0	473	445	
01302115	J	3 x 300/150 sm	black - black	11.500,0	65,0	535	511	
01302116	J	4 x 1,5 re	black - black	168,0	10,3	27	20	
01302118	J	4 x 2,5 re	black - black	222,0	11,1	36	25	
01302120	J	4 x 4 re	black - black	336,0	13,4	47	34	
01302121	J	4 x 6 re	black - black	427,0	14,6	59	43	
01302123	J	4 x 10 re	black - black	642,0	16,9	79	59	1,67

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01302124	J	4 x 10 rm	black - black	667,0	17,9	79	59	1,67
01302125	J	4 x 16 re	black - black	919,0	19,9	102	79	2,03
01302126	J	4 x 16 rm	black - black	958,0	20,4	102	79	2,03
01302127	J	4 x 25 rm	black - black	1.486,0	24,8	133	106	2,61
01302128	J	4 x 35 sm	black - black	1.685,0	25,0	159	129	2,89

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01302129	J	4 x 50 sm	black - black	2.230,0	29,3	188	157	3,31
01302130	J	4 x 70 sm	black - black	2.999,0	35,0	232	199	4,08
01302131	J	4 x 95 sm	black - black	4.145,0	38,0	280	246	5,11
01302132	J	4 x 120 sm	black - black	5.054,0	40,3	318	285	5,69
01302196	J	4 x 150 sm	black - black	6.280,0	45,0	359	326	6,97
01302134	J	4 x 185 sm	black - black	7.656,0	49,0	406	374	7,50
01302135	J	4 x 240 sm	black - black	10.172,0	58,0	473	445	10,70
01302136	J	5 x 1,5 re	black - black	199,0	10,9	27	20	0,94
01302138	J	5 x 2,5 re	black - black	250,0	11,9	36	25	1,08
01302139	J	5 x 4 re	black - black	395,0	14,3	47	34	1,44
01302140	J	5 x 6 re	black - black	497,0	15,6	59	43	1,64
01302142	J	5 x 10 rm	black - black	821,0	19,8	79	59	2,00
01302143	J	5 x 16 re	black - black	1.103,0	21,8	102	79	2,39
01302144	J	5 x 16 rm	black - black	1.103,0	22,7	102	79	2,39
01302145	J	5 x 25 rm	black - black	1.803,0	28,3	133	106	3,42
01302146	J	5 x 35 rm	black - black	2.331,0	31,5	159	129	
01302147	J	5 x 50 rm	black - black	3.200,0	36,5	188	157	
01302198	J	5 x 70 rm	black - black	4.419,0	41,0	232	199	
01302199	J	5 x 95 rm	black - black	5.385,0	51,0	280	246	
01302200	J	5 x 120 rm	black - black	6.780,0	51,0	318	285	
01302219	J	5 x 150 rm	black - black	8.586,0	59,0	359	326	
01302237	J	5 x 185 rm	black - black	11.048,0	63,0	406	374	
01302148	J	7 x 1,5 re	black - black	244,0	11,8	27	20	1,08
01302158	J	7 x 2,5 re	black - black	358,0	14,1	36	25	1,22

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01302165	J	7 x 4 re	black - black	566,0	18,0	47	34	
01302167	J	7 x 6 re	black - black	681,0	20,0	59	43	
01302150	J	10 x 1,5 re	black - black	367,0	14,2	27	20	
01302160	J	10 x 2,5 re	black - black	517,0	17,3	36	25	
01302155	J	16 x 1,5 re	black - black	506,0	17,5	27	20	
01302163	J	16 x 2,5 re	black - black	750,0	20,1	36	25	
01302220	J	25 x 2,5 re	black - black	1.052,0	24,0	36	25	
01302172	J	48 x 1,5 re	black - black	1.316,0	28,4	27	20	

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