E-AYY-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.

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.

Construction

Inner Conductor	bare aluminium 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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Power Cables 1kV

Prod. Nr. Prod. Nr.	Option Option	Dimensions Dimensions	Color Color	Weight (kg/km) approx. Weight (kg/km) approx.	Outer-Diameter (mm) approx. Outer-Diameter (mm) approx.	Power Load Earth (A) Power Load Earth (A)	Power Load Air (A) Power Load Air (A)
01305068	J	1 x 25 rm	black - black	185,0	11,5	160	110
01305080	J	1 x 50 rm	black - black	283,0	14,1	230	166
01305086	J	1 x 70 rm	black - black	362,0	15,7	283	210
01305076	J	1 x 95 rm	black - black	466,0	17,8	340	259
01305054	J	1 x 120 rm	black - black	563,0	19,2	389	302
01305082	J	1 x 150 rm	black - black	673,0	21,4	436	345
01305075	J	1 x 185 rm	black - black	808,0	22,0	496	401
01305040	J	1 x 240 rm	black - black	1.054,0	26,2	578	479
01305042	J	1 x 300 rm	black - black	1.298,0	27,8	656	555
01305084	J	1 x 500 rm	black - black	2.038,0	32,8	873	772
01305085	J	1 x 630 rm	black - black	2.497,0	39,5	1011	915
01305018	J	3 x 240+120 sm	black - black	3.649,0	53,4	364	338
01305106		3 x 300+150 sm	black - black	5.000,0	58,0	0	0
01305064	J	4 x 16 rm	black - black	606,0	20,3	0	0
01305050	J	4 x 25 re	black - black	883,0	24,3	102	82
01305051	J	4 x 25 rm	black - black	883,0	24,3	102	82
01305039	J	4 x 35 sm	black - black	990,0	25,5	123	100
01305020	J	4 x 50 sm	black - black	1.022,0	28,8	144	119
01305037	J	4 x 70 sm	black - black	1.320,0	32,5	179	152
01305021	J	4 x 95 sm	black - black	1.781,0	37,4	215	186
01305022	J	4 x 120 sm	black - black	2.119,0	40,5	245	216
01305023	J	4 x 150 se	black - black	2.629,0	44,0	275	246
01305024	J	4 x 150 sm	black - black	2.629,0	44,0	275	246
01305025	J	4 x 185 sm	black - black	3.218,0	51,0	313	285

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Power Cables 1kV

Prod. Nr.	Option	Dimensions	Color	Weight (kg/km) approx.	Outer-Diameter (mm) approx.	Power Load Earth (A)	Power Load Air (A)
01305026	J	4 x 240 sm	black - black	4.197,0	56,0	364	338
01305073	J	4 x 300 sm	black - black	5.100,0	62,0	419	400
01305077	J	5 x 10 re	black - black	450,0	18,0	0	0
01305063	J	5 x 16 rm	black - black	756,0	26,6	81	65
01305055	J	5 x 25 rm	black - black	1.095,0	27,4	102	81
01305056	J	5 x 35 rm	black - black	1.356,0	30,0	121	99
01305104	J	5 x 35 sm	black - black	1.356,0	30,0	121	99
01305057	J	5 x 50 rm	black - black	1.847,0	38,0	144	119
01305078	J	5 x 50 sm	black - black	1.847,0	35,1	144	119
01305058	J	5 x 70 rm	black - black	2.377,0	39,6	179	152
01305069	J	5 x 70 sm	black - black	2.377,0	39,6	179	152
01305059	J	5 x 95 rm	black - black	3.225,0	46,2	215	186
01305070	J	5 x 95 sm	black - black	3.225,0	46,2	215	186
01305060	J	5 x 120 rm	black - black	3.687,0	50,1	245	216
01305071	J	5 x 120 sm	black - black	3.687,0	50,1	245	216
01305061	J	5 x 150 rm	black - black	3.840,0	53,3	275	246
01305102	J	5 x 150 sm	black - black	3.840,0	54,3	275	246
01305062	J	5 x 185 rm	black - black	4.555,0	61,2	313	285
01305103	J	5 x 185 sm	black - black	4.555,0	61,0	313	285
01305066	J	5 x 240 rm	black - black	5.885,0	74,0	364	338
01305101	J	5 x 240 sm	black - black	5.885,0	74,0	364	338
01305095	J	5 x 300 rm	black - black	6.709,0	75,0	0	0
01305105	J	5 x 300 sm	black - black	6.709,0	78,0	0	0

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