E-AYY-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,
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	Füllmantel oder Bänderung
Outer Insulation Material	Polyvinyl chloride (PVC), black
Constant Against	UV-beständig

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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: 0 /1800 V
Test Voltage	4000 V
Bending Radius fixed (xD)	15
Operating Temperature solid	-40 °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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Energiekabel 1kV
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)
01305067	O	1 x 25 rm	black - black	174,0	11,9	106	87
01305072	O	1 x 35 rm	black - black	209,0	12,8	127	107
01305044	O	1 x 50 rm	black - black	296,0	14,5	151	131
01305043	O	1 x 70 rm	black - black	375,0	16,1	185	166
01305041	O	1 x 95 rm	black - black	485,0	18,1	222	205
01305045	O	1 x 120 rm	black - black	580,0	19,6	253	239
01305027	O	1 x 150 rm	black - black	780,0	21,4	284	273
01305028	O	1 x 185 rm	black - black	895,0	23,0	322	317
01305001	O	1 x 240 rm	black - black	1.058,0	26,0	375	378
01305029	O	1 x 300 rm	black - black	1.344,0	30,5	425	437
01305047	O	1 x 400 rm	black - black	1.890,0	32,3	487	513
01305048	O	1 x 500 rm	black - black	2.600,0	36,2	558	600
01305049	O	1 x 630 rm	black - black	2.780,0	39,8	635	701
01305004	O	4 x 25 rm	black - black	843,0	25,4	102	82
01305005	O	4 x 35 sm	black - black	956,0	26,7	123	100
01305007	O	4 x 50 sm	black - black	1.021,0	29,9	144	119
01305008	O	4 x 70 sm	black - black	1.341,0	34,4	179	152
01305010	O	4 x 95 sm	black - black	1.805,0	37,0	215	186
01305012	O	4 x 120 sm	black - black	2.225,0	38,5	245	216
01305014	O	4 x 150 sm	black - black	2.605,0	42,5	275	246
01305016	O	4 x 185 sm	black - black	3.242,0	47,0	313	285
01305017	O	4 x 240 sm	black - black	4.217,0	54,5	364	338
01305083	O	4 x 300 sm	black - black	5.100,0	62,0	419	400

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