NYCWY-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, when increased mechanical protection respectively contact protection is required.

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

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Standards

DIN VDE 0276-603 & DIN VDE 0276-627,
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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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	acc. to HD 308 S2, 7 cores black with continuous white numbers printed
Stranding Elements	multi cores stranded in layers
Inner Sheath Material	filler sheath
Overall Shielding	concentric conductors (copper wires) with copper tape for fixing
Outer Insulation Material	Polyvinyl chloride (PVC), black

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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	-20 °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.	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)
01310037	O	1 x 70 rm/16	black - black	989,0	18,6	0	0	
01310032	O	1 x 120 rm/16	black - black	1.490,0	25,0	0	0	
01310036	O	1 x 240 rm/16	black - black	2.750,0	29,2	0	0	
01310044	O	1 x 300 rf/35	black - black	4.090,0	37,8	0	0	
01310043	O	1 x 300 rm/35	black - black	4.100,0	33,0	0	0	
01310001	O	2 x 10 re/10	black - black	600,0	18,0	0	0	
01310031	O	2 x 16 re/16	black - black	650,0	19,0	0	0	
01310045	O	2 x 25 rm/16	black - black	1.247,0	24,9	0	0	
01310041	O	2 x 25 rm/25	black - black	1.247,0	24,9	0	0	
01310040	O	2 x 35 rm/16	black - black	1.495,0	26,9	0	0	
01310002	O	3 x 10 re/10	black - black	700,0	19,0	79	60	
01310004	O	3 x 16 re/16	black - black	970,0	21,0	102	80	
01310006	O	3 x 25 rm/16	black - black	1.438,0	25,9	133	108	
01310007	O	3 x 25 rm/25	black - black	1.566,0	25,9	133	108	
01310009	O	3 x 35 sm/16	black - black	1.503,0	25,0	160	132	
01310034	J	3 x 35 sm/16	black - black	1.503,0	25,0	160	132	
01310010	O	3 x 35 sm/35	black - black	1.759,0	25,6	160	132	
01310012	O	3 x 50 sm/25	black - black	2.097,0	27,9	190	160	
01310013	O	3 x 50 sm/50	black - black	2.324,0	28,5	190	160	
01310015	O	3 x 70 sm/35	black - black	2.846,0	31,6	234	202	
01310016	O	3 x 70 sm/70	black - black	3.148,0	31,6	234	202	
01310018	O	3 x 95 sm/50	black - black	3.868,0	36,0	280	249	
01310019	O	3 x 95 sm/95	black - black	4.337,0	36,6	280	249	
01310021	O	3 x 120 sm/70	black - black	4.793,0	38,7	319	289	

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Power Cables 1kV

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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)
01310022	O	3 x 120 sm/120	black - black	5.133,0	39,1	319	289	
01310024	O	3 x 150 sm/70	black - black	5.906,0	46,0	357	329	
01310025	O	3 x 150 sm/150	black - black	6.486,0	43,5	357	329	
01310027	O	3 x 185 sm/95	black - black	7.549,0	47,6	402	377	
01310042	O	3 x 185 sm/185	black - black	8.500,0	51,0	402	377	
01310028	O	3 x 240 sm/120	black - black	9.276,0	53,0	463	443	
01310003	O	4 x 10 re/10	black - black	830,0	20,0	79	60	1,69
01310005	O	4 x 16 re/16	black - black	1.210,0	23,4	102	80	2,08
01310008	O	4 x 25 rm/16	black - black	1.769,0	28,2	133	108	2,67
01310046	O	4 x 25 rm/25	black - black	1.769,0	28,2	133	108	2,67
01310011	O	4 x 35 sm/16	black - black	2.012,0	28,7	160	132	2,92
01310047	O	4 x 35 sm/35	black - black	2.012,0	28,7	160	132	
01310014	O	4 x 50 sm/25	black - black	2.724,0	32,3	190	160	3,44
01310048	O	4 x 50 sm/50	black - black	2.724,0	32,3	190	160	
01310017	O	4 x 70 sm/35	black - black	3.703,0	37,2	234	202	4,17
01310020	O	4 x 95 sm/50	black - black	5.004,0	42,0	280	249	5,33
01310049	O	4 x 95 sm/95	black - black	5.004,0	42,0	280	249	
01310023	O	4 x 120 sm/70	black - black	6.214,0	46,2	319	289	5,94
01310026	O	4 x 150 sm/70	black - black	7.183,0	50,6	357	329	7,22

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01310029	O	4 x 185 sm/95	black - black	9.392,0	56,0	402	377	
01310030	O	4 x 240 sm/120	black - black	12.018,0	63,1	463	443	
01310035	O	4 x 300 sm/150	black - black	14.910,0	72,0	518	504	
01310039	J	5 x 35 rm/16	black - black	2.665,0	33,6	0	0	

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