NYCY-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.

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.

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: 900 /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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Energiekabel 1kV
Power Cables 1kV

Prod. Nr.	Option	Dimensions	Color	Weight (kg/km) approx.	Outer-Diameter (mm) approx.	Power Load Earth (A)	Power Load Air (A)
01307001	O	2 x 1,5 re/1,5	black - black	215,0	12,0	27	20
01307016	O	2 x 2,5 re/2,5	black - black	275,0	14,0	36	26
01307025	O	2 x 4 re/4	black - black	365,0	15,0	47	34
01307028	O	2 x 6 re/6	black - black	455,0	16,0	59	44
01307002	O	3 x 1,5 re/1,5	black - black	235,0	13,0	27	20
01307017	O	3 x 2,5 re/2,5	black - black	290,0	14,0	36	26
01307026	O	3 x 4 re/4	black - black	415,0	16,0	47	34
01307005	O	3 x 6 re/6	black - black	500,0	17,0	59	44
01307003	O	4 x 1,5 re/1,5	black - black	270,0	14,0	27	20
01307018	O	4 x 2,5 re/2,5	black - black	350,0	15,0	36	26
01307027	O	4 x 4 re/4	black - black	460,0	17,0	47	34
01307029	O	4 x 6 re/6	black - black	580,0	18,0	59	44
01307048	O	4 x 10 re/10	black - black	900,0	21,0	79	60
01307004	O	5 x 1,5 re/1,5	black - black	310,0	15,0	27	20
01307019	O	5 x 2,5 re/2,5	black - black	460,0	17,0	36	26
01307041	O	5 x 4 re/4	black - black	560,0	16,0	47	34
01307030	O	5 x 6 re/6	black - black	720,0	20,0	59	44
01307051	O	5 x 10 re/10	black - black	940,0	21,4	79	60
01307006	O	7 x 1,5 re/2,5	black - black	340,0	15,0	27	20
01307020	O	7 x 2,5 re/2,5	black - black	460,0	16,0	36	26
01307047	O	7 x 2,5 re/35	black - black	760,0	19,0	36	26
01307044	O	7 x 4 re/4	black - black	670,0	21,0	47	34
01307049	O	7 x 6 re/6	black - black	790,0	24,0	59	44
01307007	O	10 x 1,5 re/2,5	black - black	410,0	17,0	27	20

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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)
01307021	O	10 x 2,5 re/4	black - black	570,0	20,0	36	26
01307050	O	10 x 4 re/6	black - black	838,0	23,0	47	34
01307008	O	12 x 1,5 re/2,5	black - black	465,0	17,0	27	20
01307022	O	12 x 2,5 re/4	black - black	680,0	20,0	36	26
01307055	O	12 x 4 re/6	black - black	938,0	24,0	47	34
01307009	O	14 x 1,5 re/2,5	black - black	650,0	21,0	27	20
01307038	O	14 x 2,5 re/6	black - black	750,0	21,0	36	26
01307053	O	14 x 2,5 re/35	black - black	1.026,0	21,9	36	26
01307010	O	16 x 1,5 re/4	black - black	585,0	19,0	27	20
01307023	O	16 x 2,5 re/6	black - black	830,0	22,0	36	26
01307011	O	19 x 1,5 re/4	black - black	690,0	21,0	27	20
01307036	O	19 x 2,5 re/6	black - black	1.100,0	24,0	36	26
01307056	O	19 x 4 re/6	black - black	938,0	24,0	47	34
01307054	O	21 x 1,5 re/6	black - black	790,0	23,0	27	20
01307012	O	24 x 1,5 re/6	black - black	815,0	24,0	27	20
01307024	O	24 x 2,5 re/10	black - black	1.240,0	28,0	36	26
01307013	O	30 x 1,5 re/6	black - black	1.200,0	27,0	27	20
01307045	O	30 x 2,5 re/10	black - black	1.610,0	30,0	36	26
01307014	O	40 x 1,5 re/10	black - black	1.500,0	32,0	27	20
01307046	O	40 x 2,5 re/10	black - black	2.000,0	38,0	36	26
01307039	O	52 x 1,5 re/10	black - black	1.600,0	32,0	27	20
01307040	O	52 x 2,5 re/10	black - black	2.450,0	38,0	36	26

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